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Appendix to Entrainment at a Once-Through Cooling System on Western Lake Erie. Volume II. Appendices

Michigan State Univ, East Lansing

Prepared for

Environmental Research Lab -Duluth, Grosse Ile, MI Large Lakes Research Station

Aug 78

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ENTRAINMENT AT A ONCE-THROUGH COOLING SYSTEM ON LAKE ERIE

Volume II

APPENDICES

by

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FOREWORD

Our nation's freshwaters are vital for all animals and plants, yet our diverse uses of water--for recreation, food, energy, transportation, and industry--physically and chemically alter lakes, rivers, and streams. Such alterations threaten terrestrial organisms, as well as those living in water. The Environmental Research Laboratory in Duluth, Minnesota, develops methods, conducts laboratory and field studies, and extrapolates research findings

--to determine how physical and chemical pollution affects aquatic life

--to assess the effects of ecosystems on pollutants

--to predict effects of pollutants on large lakes through use of models

--to measure bioaccumulation of pollutants in aquatic organisms that are consumed by other animals, including man.

This report provides insight into the effects of a once through cooling of a fossil fuel plant located on western Lake Erie. Studies were conducted to determine the impact on water chemistry, plankton, periphyton benthos and fish larvae.

ABSTRACT

This is an appendix to a report entitled Entrainment at a once-through cooling system on Lake Erie. It presents tables and figures that provide background material for that report.

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APPENDIX A

TABLE A-1. CURRENT METER MEASUREMENTS* OF WATER VELOCITY AT 2.5m AND 5.0m DEPTHS COMPARED WITH WIND VELOCITY AT STATION P12

	Wind		2.5m Water			
Date	Velocity (cm/sec)	Compass Heading	Velocity (cm/sec)	Compass Heading	Velocity as % of wind	Heading as different from wind
07/15/75	308.4	64°	9.2	169°	3.0	105°
	0	--	7.7	93°	--	--
07/16/75	180.6	343°	9.4	244°	5.2	-99°
	180.6	81°	13.2	262°	7.3	-179°
	283.4	12°	11.6	355°	4.1	-17°
	283.4	343°	14.2	48°	5.0	65°
07/17/75	283.4	336°	14.5	334°	5.1	-2°
	205.6	28°	11.0	136°	5.4	108°
	361.1	335°	11.3	157°	3.1	-178°
	258.3	4°	16.2	349°	6.3	-15°
07/18/75	283.4	336°	14.5	334°	5.1	-2°
	361.1	343°	17.2	2°	4.8	19°
	591.7	41°	15.6	42°	2.6	1°
	308.4	353°	14.7	32°	4.8	19°
07/19/75	436.1	12°	22.3	54°	5.1	42°
	463.9	34°	16.7	54°	3.6	20°
	513.9	52°	18.2	64°	3.5	12°
	333.4	41°	16.5	66°	5.0	25°
07/20/75	386.1	35°	16.6	65°	4.3	30°
	411.1	62°	13.1	82°	3.2	20°
	436.1	86°	8.7	138°	2.0	52°
	283.4	93°	7.7	148°	2.7	55°
07/21/75	205.6	55°	7.2	185°	3.5	130°
	361.1	145°	6.9	205°	1.9	60°
	463.9	148°	12.7	191°	2.7	43°
	258.3	164°	9.9	154°	3.8	-10°
07/22/75	180.6	109°	8.0	146°	4.4	37°
	205.6	245°	8.7	135°	4.2	-110°
	308.4	230°	10.0	90°	3.2	-140°
	205.6	250°	11.0	73°	5.4	-177°

*General Oceanic Film Recording Current Meter

(continued)

TABLE A-1 (continued)

	5.0m					
	Wind		Water			
Date	Velocity (cm/sec)	Compass Heading	Velocity (cm/sec)	Compass Heading	Velocity as % of wind	Heading as different from wind
07/23/75	0	—	9.8	110°	--	--
	258.3	180°	8.5	120°	3.3	-60°
	386.1	180°	10.5	34°	2.7	-146°
	283.4	174°	12.2	56°	4.3	-62°
07/26/75	174.5	10°	3.0	190°	1.7	180°
07/27/75	308.5	70°	4.0	205°	1.3	135°
07/28/75	304.0	70°	3.6	202°	1.2	132°
07/29/75	527.5	100°	4.3	193°	0.8	93°
07/30/75	429.2	70°	4.4	195°	1.0	125°
07/31/75	366.6	80°	3.4	182°	0.9	102°
08/01/75	182.8	110°	3.7	177°	2.0	67°
08/02/75	268.2	10°	3.1	190°	1.2	180°
08/03/75	442.6	20°	4.2	253°	0.9	-127°
08/04/75	456.0	60°	2.3	185°	0.5	125°
08/05/75	429.2	120°	4.4	197°	1.0	77°
08/06/75	201.2	240°	4.1	189°	2.0	-51°
08/07/75	259.3	250°	3.7	161°	1.4	-89°
08/08/75	259.3	300°	4.7	187°	1.8	-113°
08/09/75	281.6	260°	4.4	189°	1.6	-71°
08/10/75	362.1	280°	4.4	167°	1.2	-113°
08/11/75	429.2	330°	4.9	173°	1.1	-157°
03/12/75	348.7	90°	2.6	204°	0.7	114°
08/13/75	277.2	70°	4.0	194°	1.4	124°
08/14/75	308.2	240°	9.2	173°	3.0	-67°

TABLE A-2. DROGUE MEASUREMENTS OF WATER VELOCITY COMPARED WITH WIND VELOCITY AT 0m, 1m, AND 3m

	Wind		Water			
Date	Velocity (cm/sec)	Compass Heading	Velocity (cm/sec)	Compass Heading	Velocity as % of wind	Deviation from wind
			0m			
03/26/75	358.4	250°	3.1	270°	0.9	20°
04/05/75	616.7	40°	2.4	358°	0.4	-42°
05/05/75	1233.4	15°	6.8	18°	0.6	3°
06/18/75	591.7	100°	11.6	55°	2.0	-45°
	591.7	100°	15.3	30°	2.6	-70°
			1m			
03/26/75	358.4	250°	3.0	300°	0.8	50°
04/23/75	822.3	10°	10.7	45°	1.3	35°
04/25/75	669.5	180°	6.9	190°	1.0	10°
	669.5	180°	6.9	190°	1.0	10°
04/25/75	566.7	180°	5.4	210°	0.9	30°
	566.7	180°	4.3	210°	0.8	30°
04/30/75	463.3	295°	2.9	218°	0.6	-77°
04/30/75	513.9	289°	4.7	225°	0.9	-64°
04/30/75	566.7	265°	5.8	230°	1.0	-35°
05/05/75	283.4	20°	1.3	295°	0.5	-85°
	283.4	20°	1.4	240°	0.5	-140°
05/05/75	358.4	320°	2.8	325°	0.8	5°
	358.4	320°	2.7	315°	0.8	-5°
05/09/75	436.1	205°	9.6	238°	2.2	33°
	436.1	205°	9.1	238°	2.1	33°
05/09/75	308.4	225°	8.8	215°	2.9	-10°
	308.4	225°	9.0	225°	2.9	0°
05/20/75	333.4	330°	8.0	30°	2.4	60°
	333.4	330°	6.8	30°	2.0	60°
06/05/75	616.7	40°	2.6	358°	0.4	-42°
06/05/75	1233.4	15°	6.6	48°	0.5	33°
06/18/75	591.7	100°	19.4	50°	3.3	-50°
	591.7	100°	14.2	40°	2.4	-60°

(continued)

TABLE A-2 (continued)

Date	Wind		3m Water			
	Velocity (cm/sec)	Compass Heading	Velocity (cm/sec)	Compass Heading	Velocity as % of wind	Deviation from wind
03/26/75	358.4	250°	2.6	360°	0.7	110°
04/23/75	822.3	10°	12.2	60°	1.5	50°
04/25/75	699.5	180°	6.8	190°	1.0	10°
	699.5	180°	7.6	190°	1.1	10°
	699.5	180°	7.6	190°	1.1	10°
	699.5	180°	6.8	190°	1.0	10°
04/25/75	566.7	180°	4.8	210°	0.8	30°
04/30/75	513.9	289°	4.5	238°	0.9	-51°
04/30/75	566.7	265°	5.8	225°	1.0	-40°
05/05/75	283.4	20°	1.6	199°	0.6	179°
05/05/75	358.4	320°	3.3	108°	0.9	148°
05/09/75	436.1	205°	7.2	238°	1.7	33°
	436.1	205°	6.7	238°	1.5	33°
05/09/75	308.4	225°	7.6	215°	2.5	-10°
	308.4	225°	6.2	210°	2.0	-15°
05/20/75	333.4	330°	1.6	230°	0.5	-100°
06/05/75	616.7	40°	1.9	280°	0.3	-120°
06/05/75	1233.4	15°	3.1	23°	0.3	8°
06/18/75	591.7	100°	7.7	357°	1.3	-103°
	591.7	100°	11.1	10°	1.9	-90°

TABLE A-3. THE DISTRIBUTION OF CHLORIDE IN THE COOLING SYSTEM (mg/liter)

Date	Station 17	9	18	12	8	14	15	16
11/09/72 Morning	20.0	32.3	32.3	32.4	34.0	36.9	28.1	24.1
11/10/72 Afternoon	27.2	36.9	36.9	38.1	37.1	37.0	28.5	20.5
11/09/72 Evening	16.7	39.5	39.5	32.0	32.2	34.2	21.6	26.1
Mean	21.3	36.2	36.2	34.2	34.4	36.0	26.1	23.6
01/19/73 Morning	30.9	30.6	30.8	31.9	31.9	31.4	27.9	26.8
01/18/73 Afternoon	29.5	31.1	29.9	30.7	30.1	31.5	28.0	25.2
01/25/73 Evening	--	--	--	32.5	33.2	34.4	32.7	27.4
Mean	30.2	30.8	30.3	31.7	31.7	32.4	29.5	26.5
04/06/73 Morning	28.7	22.5	25.0	27.7	27.7	28.2	27.2	26.6
04/05/73 Afternoon	22.4	27.8	26.1	27.6	27.7	27.5	26.0	25.2
03/30/73 Evening	27.8	27.2	27.3	26.5	26.8	26.9	26.2	24.6
Mean	26.3	25.8	26.1	27.3	27.4	27.5	26.5	25.5
06/13/73 Morning	20.7	24.8	22.2	21.6	21.3	21.6	18.5	17.4
06/12/73 Afternoon	19.3	25.3	21.4	19.3	21.3	20.7	17.7	16.4
06/11/73 Evening	18.7	22.0	19.9	19.4	20.2	21.0	19.3	18.1
Mean	19.6	24.0	21.1	20.1	20.9	21.1	18.5	17.3

(continued)

TABLE A-3 (continued)

Date	Station 17	9	18	12	8	14	15	16
08/10/73 Morning	17.7	29.3	19.7	22.9	21.4	20.1	20.3	14.2
08/09/73 Afternoon	17.4	28.2	20.4	19.9	20.1	21.0	20.1	17.5
08/08/73 Evening	17.1	31.7	21.4	21.9	20.2	20.0	19.0	18.1
Mean	17.4	29.7	20.5	21.6	20.5	20.3	19.3	16.6
10/01/73 Morning	14.1	25.1	16.2	15.9	23.1	22.5	17.9	15.2
09/29/73 Afternoon	14.1	30.1	16.5	16.3	17.1	17.4	14.7	13.4
09/28/73 Evening	13.2	33.6	15.7	13.7	15.7	16.6	16.1	14.3
Mean	13.8	29.6	16.1	15.3	18.6	18.8	16.2	14.3
Annual Mean	21.4	29.4	25.0	25.0	25.6	26.0	22.8	20.6
12/14/73 Morning	21.0	36.0	30.6	29.0	29.8	30.7	23.6	20.9
12/13/73 Afternoon	22.5	29.6	24.6	25.3	25.7	26.2	--	--
12/12/73 Evening	22.2	30.2	29.1	29.1	29.1	29.7	21.2	16.2
Mean	22.3	31.9	28.1	27.8	28.2	28.9	22.4	18.5
02/02/74 Morning	22.8	19.8	19.8	23.6	23.2	23.6	--	--
02/01/74 Afternoon	23.9	24.1	24.1	24.7	25.5	24.1	--	--
01/31/74 Evening	22.6	21.7	21.7	21.4	24.2	26.4	--	--
Mean	23.1	21.9	21.9	23.2	24.3	24.7	--	--

(continued)

TABLE A-3 (continued)

Date	Station 17	9	18	12	8	14	15	16
04/12/74 Morning	22.8	26.9	26.9	27.4	26.5	27.7	22.6	19.3
04/11/74 Afternoon	25.1	25.9	25.9	27.3	26.9	27.2	24.8	24.4
04/10/74 Evening	23.5	27.5	27.5	27.0	26.9	25.5	24.2	23.4
Mean	23.8	26.8	26.8	27.2	26.8	26.8	23.9	22.4
06/13/74 Morning	18.5	34.3	21.4	29.5	24.5	23.3	21.3	20.9
06/12/74 Afternoon	20.1	35.3	23.3	20.6	22.7	22.7	22.1	23.4
06/11/74 Evening	20.3	39.4	24.3	22.8	23.7	23.2	24.4	20.0
Mean	19.6	36.3	23.0	24.3	23.6	23.1	22.6	21.4
08/16/74 Morning	16.7	40.5	18.5	20.2	19.7	18.9	19.1	16.9
08/15/74 Afternoon	16.5	42.5	18.7	18.0	19.2	18.6	17.4	16.7
08/14/74 Evening	17.3	41.2	19.7	20.8	19.4	18.9	18.1	17.5
Mean	16.8	41.4	19.0	19.7	19.4	18.8	18.2	17.0
10/19/74 Morning	14.9	32.1	17.7	17.0	17.8	17.2	15.2	13.4
10/21/74 Afternoon	13.7	32.2	18.9	19.5	18.6	18.2	17.2	15.2
10/20/74 Evening	13.1	32.0	16.2	16.4	16.5	15.8	15.2	14.3
Mean	13.9	32.1	17.6	17.6	17.6	17.1	15.9	14.3
Annual Mean	19.9	31.7	22.7	23.3	23.3	23.2	20.6	18.7

(continued)

TABLE A-3 (continued)

Date	Station 17	9	18	12	8	14	15	16
01/25/75 Morning	27.1	34.2	29.3	33.5	31.9	30.0	28.9	25.3
01/25/75 Afternoon	28.0	36.1	30.5	33.5	33.7	33.5	29.5	24.5
01/24/75 Evening	23.2	38.2	28.4	33.8	30.4	31.3	29.1	38.6
Mean	26.1	36.2	29.4	33.6	32.0	31.6	29.2	29.5
03/17/75 Morning	23.1	30.2	27.4	28.5	29.7	30.9	29.5	28.5
03/15/75 Afternoon	24.0	31.5	27.4	33.7	35.8	35.7	32.5	30.0
03/16/75 Evening	24.3	38.0	32.5	36.7	38.8	39.5	35.4	32.8
Mean	23.8	33.2	29.1	33.0	34.8	35.4	32.5	30.4
05/18/75 Morning	22.1	31.7	26.2	27.3	26.5	26.3	24.9	24.1
05/17/75 Afternoon	21.4	30.4	25.5	24.0	25.8	26.2	23.9	23.8
05/16/75 Evening	20.6	29.0	24.7	23.6	26.7	25.6	24.8	18.8
Mean	21.4	30.4		25.0	26.3	26.0	24.5	22.2
07/29/75 Morning	15.2	31.8	16.2	18.0	18.2	18.0	16.0	15.0
07/28/75 Afternoon	15.4	33.8	16.5	17.2	16.4	16.6	16.2	15.2
07/27/75 Evening	14.6	30.2	15.5	15.4	15.6	15.6	14.6	11.8
Mean	15.1	31.9	16.1	16.9	16.7	16.7	15.6	14.0

(continued)

TABLE A-3 (continued)

Date	Station 17	9	18	12	8	14	15	16
09/17/75 Morning	20.0	28.8	21.3	21.8	22.2	22.8	22.8	21.0
09/16/75 Afternoon	20.0	29.6	21.5	22.0	22.2	22.0	22.0	21.0
09/15/75 Evening	21.2	29.0	22.3	22.4	23.0	23.0	--	--
Mean	20.4	29.1	21.7	22.1	22.5	22.6	22.4	21.0
Annual Mean	21.3	32.2	24.4	26.1	26.5	26.5	24.8	23.4
Grand Annual Mean	20.9	31.1	24.1	24.8	25.1	25.2	22.7	20.9

TABLE A-4. RIVER DISCHARGE*, PLANT PUMPING RATES+, AND ESTIMATED LAKE WATER WITHDRAWALϕ.
(m^3/sec)

Date	River Discharge	Pumping Rate	Lake Withdrawal
11/09/72	58.4	42.0	~0
11/09/72	57.4	42.0	~0
11/10/72	56.9	42.0	~0
01/18/73	18.6	63.0	44.4
01/25/73	44.6	63.0	18.4
01/26/73	41.2	63.0	21.8
03/30/73	61.7	63.0	1.3
04/05/73	43.4	63.0	19.6
04/06/73	38.7	63.0	24.3
06/11/73	23.1	63.0	39.9
06/12/73	21.4	63.0	41.6
06/13/73	23.8	63.0	39.2
08/08/73	12.3	42.0	29.7
08/09/73	11.8	42.0	30.2
08/10/73	13.2	63.0	48.2
09/28/73	3.7	42.0	38.3
09/29/73	4.8	42.0	37.2
10/01/73	6.5	42.0	35.5
Mean	30.1	53.6	26.1
12/12/73	12.0	14.0	2.0
12/13/73	12.6	42.0	29.4
12/14/73	18.3	28.0	9.7
01/31/74	120.9	42.0	~0
02/01/74	100.4	42.0	~0
02/02/74	80.7	42.0	~0
04/10/74	64.0	42.0	~0
04/11/74	54.6	42.0	~0
05/12/74	48.2	42.0	~0

(continued)

TABLE A-4 (continued)

Date	River Discharge	Pumping Rate	Lake Withdrawal
06/11/74	15.9	77.0-	61.1
06/12/74	14.0	77.0-	63.0
06/13/74	16.3	77.0	60.7
08/14/74	6.5	70.0-	63.5
08/15/74	6.0	70.0	64.0
08/16/74	5.4	70.0-	64.6
10/19/74	7.9	49.0-	41.1
10/20/74	7.8	49.0-	41.2
10/21/74	7.8	28.0-	20.2
Mean	35.0	50.2	28.9
01/24/75	17.0	49.0	32.0
01/25/75	17.2	56.0	38.8
01/25/75	17.2	56.0	38.8
03/15/75	25.4	56.0	30.6
03/16/75	25.5	42.0	16.5
03/17/75	25.4	42.0	16.6
05/16/75	17.3	35.0	17.7
05/17/75	16.4	35.0	18.6
05/18/75	15.5	35.0	19.5
07/27/75	4.7	84.0	79.3
07/28/75	4.5	84.0	79.5
07/29/75	4.3	84.0	79.7
09/15/75	12.3	84.0	71.7
09/16/75	12.3	84.0	71.7
09/17/75	11.5	84.0	72.5
Mean	15.1	60.7	45.5

-Records from U.S. Geological Survey station establish 11 km upstream from the river mouth. Estimate was adjusted by adding 1.5 m^3/sec for City of Monroe discharges.

+Plant pumping rates were obtained from plant records. Records were not maintained for all dates so on some occasions the probable pumping rate was calculated from chloride tracing and pumping rates recorded for preceeding days. These are marked by a dash.

#Lake water withdrawal was estimated as the difference between pumping rates and river discharge. This was checked by chloride concentrations (Table A-3) and indicated to be valid.

TABLE A-5. THE DISTRIBUTION OF DISSOLVED SOLIDS IN THE COOLING SYSTEM

	Station							
Date	17	9	18	12	8	14	15	16
11/10/72	337.2	537.0	537.0	509.6	539.2	615.4	345.8	236.6
01/18/73	444.0	414.0	435.7	430.8	432.8	435.2	352.8	302.0
04/06/73	444.2	342.4	382.8	439.6	381.4	395.6	413.8	381.4
06/13/73	246.2	326.2	275.4	253.2	257.2	282.0	230.2	219.2
08/10/73	220.2	411.0	274.7	260.6	237.8	231.4	239.8	159.6
10/01/73	134.8	283.8	159.6	154.3	237.8	231.6	197.4	165.2
1973 mean	304.4	385.7	344.2	341.4	347.7	365.2	296.6	244.0
12/14/73	236.2	455.8	281.7	322.2	329.2	333.4	230.8	187.4
02/02/74	336.2	355.6	355.6	364.6	362.0	391.2	--	--
04/12/74	345.0	406.0	406.0	408.2	401.6	400.4	299.0	232.8
06/13/74	207.4	464.4	253.1	382.0	285.0	278.8	277.2	254.8
08/16/74	177.0	374.0	188.3	199.6	188.6	196.4	181.0	180.6
10/19/74	158.4	335.0	165.5	220.8	245.4	229.8	186.8	185.0
1974 mean	243.4	398.5	275.0	316.2	302.0	305.0	235.0	208.1

(continued)

TABLE A-5 (continued)

Date	Station 17	9	18	12	8	14	15	16
01/25/75	315.4	429.6	348.0	385.0	388.2	378.8	355.2	296.6
03/17/75	183.0	345.8	277.2	335.0	448.6	366.6	348.6	291.0
05/18/75	201.4	421.0	291.1	285.0	275.8	268.6	233.4	209.4
07/29/75	210.4	309.2	213.8	190.8	241.8	257.4	200.2	172.2
09/17/75	200.2	301.4	212.5	275.2	233.0	237.6	264.2	221.4
1975 mean	222.1	361.4	268.5	294.2	317.5	301.8	280.3	238.1
Grand Annual Mean	256.6	381.9	295.9	317.3	322.4	324.0	270.6	230.1

TABLE A-6. THE DISTRIBUTION OF TOTAL SOLIDS IN THE COOLING SYSTEM

Date	Station 17	9	18	12	8	14	15	16
11/09/72 Morning	226.2	521.2	521.2	531.4	567.0	591.0	382.0	321.4
11/10/72 Afternoon	396.2	585.8	585.8	562.6	607.2	682.8	420.2	268.4
11/09/72 Evening	170.0	552.4	552.4	557.2	559.2	560.6	272.4	358.6
Mean	264.1	553.1	553.1	550.4	577.8	611.5	358.2	316.1
01/19/73 Morning	418.6	486.6	439.4	453.2	462.8	454.4	367.4	324.6
01/18/73 Afternoon	476.4	450.2	469.2	486.2	461.0	489.2	422.6	341.4
01/25/73 Evening	--	--	--	507.4	504.0	495.0	496.6	322.0
Mean	447.5	468.4	454.3	482.3	475.9	479.5	428.9	329.3
04/06/73 Morning	473.8	370.2	411.3	470.4	415.2	431.6	445.6	409.0
04/05/73 Afternoon	231.8	456.8	385.4	421.2	436.8	461.6	410.4	352.2
03/30/73 Evening	293.4	447.2	447.2	433.8	473.2	458.0	389.0	310.0
Mean	333.0	424.7	414.6	441.8	441.7	450.4	415.0	357.1
06/13/73 Morning	265.0	352.2	296.8	281.4	287.0	309.6	258.4	242.8
06/12/73 Afternoon	271.0	378.2	305.0	310.6	323.4	311.8	248.6	253.6
06/11/73 Evening	307.6	380.8	333.2	301.0	305.4	325.0	292.4	262.6
Mean	281.2	370.4	311.7	297.7	305.3	315.5	266.5	253.0

(continued)

TABLE A-6 (continued)

Date	Station 17	9	18	12	8	14	15	16
08/10/73 Morning	263.4	434.0	312.1	296.4	277.4	275.0	286.2	187.0
08/09/73 Afternoon	238.4	427.2	285.6	262.8	256.6	286.0	299.0	248.2
08/08/73 Evening	211.8	422.8	267.1	388.0	314.2	548.4	236.6	229.4
Mean	237.9	428.0	288.3	315.7	282.7	369.8	273.9	221.5
10/01/73 Morning	220.8	318.6	237.1	204.3	282.2	279.8	243.6	231.8
09/29/73 Afternoon	190.4	351.0	206.5	241.6	249.0	231.5	211.6	185.2
09/28/73 Evening	173.6	399.2	191.1	254.2	224.8	342.8	274.6	235.6
Mean	194.9	356.3	211.6	233.4	252.0	284.7	243.3	217.5
Annual Mean	293.1	433.5	372.3	386.9	389.2	418.6	331.0	282.4
12/14/73 Morning	253.2	469.0	341.1	340.8	354.4	361.8	267.2	207.6
12/13/73 Afternoon	346.2	314.8	337.8	283.2	313.2	316.6	--	--
12/12/73 Evening	211.0	352.8	247.1	350.0	330.0	365.2	321.2	186.0
Mean	270.1	378.9	308.7	324.7	332.5	347.9	294.2	196.8
02/02/74 Morning	395.2	402.0	402.0	420.0	436.2	450.8	--	--
02/01/74 Afternoon	411.0	410.2	410.2	430.4	465.4	433.6	--	--
01/31/74 Evening	400.2	395.4	395.4	446.6	485.8	403.8	--	--
Mean	402.1	402.5	402.5	432.3	462.5	429.4	--	--

(continued)

TABLE A-6 (continued)

Date	Station 17	9	18	12	8	14	15	16
04/12/74 Morning	398.8	463.0	463.0	464.4	456.6	462.6	369.8	319.6
04/11/74 Afternoon	474.4	470.6	470.6	463.2	431.2	446.0	377.4	372.0
04/10/74 Evening	358.4	444.0	444.0	464.2	473.6	483.6	397.0	357.0
Mean	410.5	459.2	459.2	463.9	453.8	464.1	381.4	349.5
06/13/74 Morning	228.2	490.4	274.9	413.4	325.6	329.2	368.4	284.4
06/12/74 Afternoon	239.6	473.8	284.3	255.2	312.8	311.4	285.0	207.6
06/11/74 Evening	258.4	434.0	292.8	294.8	317.4	311.2	327.6	246.8
Mean	242.1	466.1	284.0	321.1	318.6	317.3	327.0	246.3
08/16/74 Morning	196.6	401.2	208.3	227.2	219.6	220.4	198.2	195.4
08/15/74 Afternoon	183.6	440.4	200.5	215.6	215.2	234.4	213.6	205.4
08/14/74 Evening	206.4	407.6	221.1	220.0	217.6	243.4	215.4	226.0
Mean	195.5	416.4	210.0	220.9	217.5	232.7	209.1	208.9
10/19/74 Morning	176.4	358.4	183.8	247.2	277.2	267.6	208.6	199.8
10/21/74 Afternoon	226.0	325.0	229.7	226.0	234.0	249.0	237.0	235.0
10/20/74 Evening	189.2	371.2	195.9	221.2	233.6	259.0	211.0	189.4
Mean	197.2	351.5	203.1	231.5	248.3	258.5	218.9	208.1
Annual Mean	286.3	412.4	311.3	332.4	338.9	341.7	286.1	241.9

(continued)

TABLE A-6 (continued)

Date	Station 17	9	18	12	8	14	15	16
01/25/75 Morning	345.6	455.6	377.0	416.6	425.4	413.0	385.0	338.0
01/25/75 Afternoon	384.8	603.4	447.3	480.0	439.8	441.8	363.4	292.2
01/24/75 Evening	289.4	576.8	382.1	440.0	453.4	467.6	415.2	406.8
Mean	339.9	545.3	402.1	445.5	439.5	440.8	387.9	345.7
03/17/74 Morning	207.5	539.0	399.3	355.2	484.4	442.8	395.2	330.6
03/15/75 Afternoon	245.0	458.2	337.9	408.2	443.0	444.8	385.2	317.6
03/16/75 Evening	279.6	476.0	394.2	495.6	516.0	588.8	376.0	345.2
Mean	244.0	491.1	377.1	419.7	481.1	492.1	385.5	331.1
05/18/75 Morning	225.2	459.6	333.0	318.4	307.2	304.0	252.4	225.2
05/17/75 Afternoon	219.2	461.6	324.5	290.0	274.0	310.4	300.0	336.8
05/16/75 Evening	266.0	527.2	386.2	248.6	304.0	342.4	275.8	195.2
Mean	236.8	482.8	347.9	285.7	295.1	318.9	276.1	252.4
07/29/75 Morning	226.4	349.2	230.6	224.0	302.0	291.2	215.2	190.0
07/28/75 Afternoon	193.2	496.8	204.4	270.4	285.6	289.2	242.0	208.8
07/27/75 Evening	216.0	408.8	223.6	286.0	330.4	267.2	234.8	208.8
Mean	211.9	418.3	219.5	260.1	306.0	282.5	230.7	202.5

(continued)

TABLE A-6 (continued)

Date	Station 17	9	18	12	8	14	15	16
09/17/75 Morning	219.2	343.2	264.8	317.2	264.0	267.6	284.4	241.2
09/16/75 Afternoon	216.4	340.0	232.6	299.6	305.2	244.0	234.4	329.2
09/15/75 Evening	254.0	368.4	--	293.6	298.4	297.6	--	--
Mean	229.9	350.5	248.7	303.5	289.2	269.7	259.4	285.2
Annual Mean	252.5	457.6	319.1	342.9	362.2	360.8	307.9	283.4
Grand Annual Mean	277.3	434.5	334.2	354.1	363.4	373.7	308.3	269.2

TABLE A-7. TEMPERATURE AND DISSOLVED OXYGEN DISTRIBUTION IN THE COOLING SYSTEM AT THE SURFACE (S) AND BOTTOM (B)

	11-09-72 morning					
	Temperature (C)		Dissolved O_2 (mg/liter)			
Station	S	B	S	% Sat	B	% Sat
17	9.0	9.0	12.1	104	12.2	105
9	9.0	9.0	12.2	105	12.1	104
12	14.0	14.0	12.0	115	11.8	114
8	13.0	13.0	11.9	112	11.1	105
14	13.5	14.0	11.2	108	10.8	104
15	11.2	11.0	11.8	106	11.9	107
16	10.5	9.5	12.2	108	12.3	109
	11-09-72 evening					
17	9.0	9.0	11.3	97	10.9	94
9	9.0	9.0	11.0	95	10.9	94
12	22.5	15.0	9.7	110	9.8	96
8	19.0	12.0	9.8	104	10.1	94
14	14.0	14.0	9.8	94	9.0	87
15	9.0	9.0	12.0	103	12.0	103
16	10.0	10.0	11.8	104	11.7	104
	11-10-72 afternoon					
17	8.0	8.0	11.3	95	11.1	93
9	9.0	9.0	10.5	91	10.5	91
12	14.5	15.0	10.4	100	10.3	101
8	14.5	13.0	9.6	92	9.2	87
14	14.0	14.0	9.7	93	9.3	91
15	11.0	11.0	10.7	96	11.6	96
16	9.0	8.5	11.3	97	11.4	96

(continued)

TABLE A-7 (continued)

Station	Temperature (C) S	Temperature (C) B	Dissolved O_2 (mg/liter) S	% Sat	Dissolved O_2 (mg/liter) B	% Sat
01-18-73 evening						
17	4.0	--	--	--	--	--
9	9.0	--	--	--	--	--
12	15.0	13.0	12.8	126	13.2	125
8	13.0	12.5	13.5	127	12.1	112
14	13.0	13.0	13.3	126	12.6	119
15	8.0	8.0	12.8	108	12.6	106
16	4.0	4.0	12.2	93	11.7	89
01-25-73 afternoon						
17	3.0	3.0	13.8	102	13.8	102
9	3.7	3.7	13.6	104	13.7	105
12	8.0	6.0	13.3	112	13.4	107
8	5.7	6.3	13.6	109	13.2	106
14	6.0	5.8	13.1	105	12.4	103
15	5.0	4.0	13.2	103	13.6	104
16	3.0	3.0	14.2	105	14.2	105
01-26-73 morning						
17	3.0	4.0	14.2	105	13.0	99
9	5.0	5.0	13.8	108	14.1	110
12	8.0	8.0	13.6	114	13.5	113
8	8.0	7.5	13.4	113	13.4	113
14	8.0	7.0	13.6	114	13.6	112
15	4.0	4.0	14.0	107	13.8	105
16	3.0	3.0	14.5	107	14.0	104

(continued)

TABLE A-7 (continued)

Station	Temperature (C) S	Temperature (C) B	Dissolved O_2 (mg/liter) S	% Sat	Dissolved O_2 (mg/liter) B	% Sat
03-30-73 evening						
17	10.0	9.5	9.7	86	9.5	84
9	9.0	9.0	9.9	85	9.8	85
12	16.0	16.0	9.7	97	9.5	95
8	16.0	16.0	9.5	95	9.2	92
14	15.7	15.5	9.2	92	9.0	90
15	13.0	12.5	9.0	85	9.0	83
16	10.0	10.0	9.7	86	9.6	85
04-05-73 afternoon						
17	8.0	8.0	11.3	95	11.0	92
9	9.7	8.0	10.8	96	10.4	87
12	17.0	17.0	10.8	111	10.6	109
8	17.0	14.0	10.5	108	10.0	96
14	17.0	17.0	10.0	103	9.9	102
15	13.0	12.0	10.9	103	10.8	100
16	11.0	10.0	10.6	96	10.8	96
04-06-73 morning						
17	10.0	9.0	11.1	98	11.0	95
9	11.1	9.8	11.1	100	9.8	87
12	16.0	17.0	11.1	111	10.9	112
8	16.0	16.0	10.9	109	10.8	108
14	16.0	15.0	10.9	109	10.4	102
15	13.0	13.0	10.5	99	10.3	97
16	11.5	11.5	10.5	97	10.5	97

(continued)

TABLE A-7 (continued)

Station	Temperature (C) S	Temperature (C) B	Dissolved O_2 (mg/liter) S	% Sat	Dissolved O_2 (mg/liter) B	% Sat
			06-11-73 evening			
17	23.5	18.0	6.3	72	4.1	43
9	25.0	18.0	6.9	82	4.1	43
12	27.0	27.0	5.0	62	5.1	63
8	27.0	26.5	4.6	57	4.5	55
14	26.5	26.5	5.1	62	4.7	57
15	24.0	18.5	9.3	109	5.6	59
16	21.0	18.0	5.9	66	4.4	46
			06-12-73 afternoon			
17	23.5	17.5	5.7	66	3.1	32
9	26.0	18.0	6.2	76	3.4	36
12	26.0	26.0	4.3	52	4.3	52
8	26.0	25.5	5.8	71	4.1	49
14	26.0	25.0	5.3	65	4.1	49
15	22.0	18.0	6.5	74	4.7	50
16	21.5	18.0	6.9	77	4.0	42
			06-13-73 morning			
17	22.0	19.0	4.9	56	4.2	45
9	24.5	19.0	4.0	47	1.2	13
12	25.0	26.0	4.6	55	4.2	51
8	26.0	26.0	4.4	54	4.1	50
14	25.5	25.5	4.4	52	3.7	44
15	22.5	20.5	7.2	82	8.1	88
16	21.5	20.0	8.1	90	6.7	73

(continued)

TABLE A-7 (continued)

Station	Temperature (C) S	Temperature (C) B	Dissolved O_2 (mg/liter) S	% Sat	Dissolved O_2 (mg/liter) B	% Sat
			08-08-73 evening			
17	25.0	24.0	5.1	61	3.8	45
9	27.0	25.0	5.6	69	2.7	32
12	31.0	31.0	3.8	51	3.6	48
8	31.0	31.0	3.8	51	2.8	37
14	31.0	31.0	6.5	92	6.7	89
15	27.0	25.0	6.8	84	6.7	80
16	26.0	26.0	6.9	85	6.7	82
			08-09-73 afternoon			
17	26.5	25.0	6.8	83	5.9	70
9	27.5	24.5	4.1	51	0.6	7
12	30.0	30.0	5.1	67	4.9	64
8	31.0	30.0	4.9	65	4.5	59
14	31.5	31.0	4.8	64	3.3	44
15	30.0	30.0	4.4	58	4.4	58
16	27.5	26.5	6.8	84	6.4	78
			08-10-73 morning			
17	26.0	25.0	6.3	77	2.9	35
9	27.0	25.5	3.3	41	0.0	0
12	29.0	29.5	5.0	64	4.8	62
8	29.0	29.0	5.2	67	4.9	63
14	29.0	29.0	5.4	69	4.9	63
15	28.0	28.0	5.8	73	5.7	72
16	26.0	25.0	6.5	79	3.8	45

(continued)

TABLE A-7 (continued)

Station	Temperature (C) S	Temperature (C) B	Dissolved O_2 (mg/liter) S	% Sat	Dissolved O_2 (mg/liter) B	% Sat
			09-28-73 evening			
17	18.5	18.5	11.5	121	11.8	124
9	22.0	20.0	6.8	77	6.4	70
12	25.3	26.0	11.6	138	9.5	116
8	25.7	25.3	10.0	119	9.0	107
14	25.3	25.3	9.4	112	8.6	102
15	21.5	18.5	11.0	122	11.2	118
16	20.5	18.0	11.1	121	10.7	113
			09-29-73 afternoon			
17	18.5	18.5	11.0	116	10.8	114
9	22.0	20.0	5.1	58	3.8	41
12	26.7	27.0	10.4	127	9.6	119
8	26.0	25.5	10.0	119	9.1	108
14	25.7	26.0	9.6	117	8.8	107
15	22.0	21.7	9.5	108	9.1	103
16	20.0	19.5	10.0	109	10.0	106
			10-01-73 morning			
17	18.0	18.0	8.8	93	8.4	88
9	19.7	19.0	5.9	63	2.4	26
12	21.0	21.0	7.3	81	7.1	79
8	21.5	21.5	6.6	73	5.7	63
14	21.0	20.0	6.3	70	6.2	67
15	19.3	18.7	8.3	88	8.3	88
16	18.5	18.5	8.3	87	8.1	85

(continued)

TABLE A-7 (continued)

Station	Temperature (C) S	Temperature (C) B	Dissolved O_2 (mg/liter) S	S % Sat	Dissolved O_2 (mg/liter) B	B % Sat
		12-12-73 evening				
17	2.0	0.5				
9	9.5	5.0				
12	18.0	18.0				
8	17.7	14.5				
14	17.0	16.7				
15	9.5	9.5				
16	4.0	4.0				
		12-13-73 afternoon				
17	3.5	3.0				
9	4.5	3.7				
12	16.7	17.0				
8	16.3	13.0				
14	16.0	16.0				
15	--	--				
16	--	--				
		12-14-73 morning				
17	2.0	2.5				
9	3.3	3.0				
12	16.0	16.5				
8	15.3	13.0				
14	15.0	15.0				
15	9.0	5.0				
16	3.5	4.5				

(continued)

TABLE A-7 (continued)

Station	Temperature (C) S	Temperature (C) B	Dissolved O_2 (mg/liter) S	Dissolved O_2 (mg/liter) % Sat	Dissolved O_2 (mg/liter) B	Dissolved O_2 (mg/liter) % Sat
			01-31-74 evening			
17	4.0	5.0	12.8	98	13.7	107
9	2.5	2.5	14.3	106	14.0	104
12	13.0	8.0	12.3	116	12.2	103
8	11.5	6.5	12.0	111	12.4	102
14	4.0	2.5	12.0	92	13.5	100
15	--	--	--	--	--	--
16	--	--	--	--	--	--
			02-01-74 afternoon			
17	6.0	5.0	13.4	107	11.7	91
9	1.5	2.0	13.9	101	12.9	93
12	18.5	8.6	12.1	129	12.4	107
8	12.5	11.0	11.6	107	11.2	101
14	11.0	6.0	11.5	104	11.9	95
15	--	--	--	--	--	--
16	--	--	--	--	--	--
			02-02-74 morning			
17	4.0	4.0	12.9	98	12.6	96
9	1.0	1.0	12.9	91	12.7	89
12	18.0	18.7	10.6	112	10.8	115
8	12.2	10.2	10.1	94	9.1	81
14	11.5	11.7	11.5	106	11.7	108
15	--	--	--	--	--	--
16	--	--	--	--	--	--

(continued)

TABLE A-7 (continued)

Station	Temperature (C) S	Temperature (C) B	Dissolved O_2 (mg/liter) S	Dissolved O_2 (mg/liter) % Sat	Dissolved O_2 (mg/liter) B	Dissolved O_2 (mg/liter) % Sat
04-10-74 evening						
17	9.5	8.0	12.1	107	12.0	101
9	16.5	8.0	11.2	115	11.9	100
12	18.3	15.5	11.7	123	11.5	115
8	16.5	14.5	11.7	117	10.8	106
14	15.0	15.0	11.3	111	11.0	108
15	11.0	7.0	11.6	105	12.2	100
16	9.0	9.0	12.3	106	12.1	104
04-11-74 afternoon						
17	11.0	8.0	11.3	102	11.8	99
9	11.6	12.0	11.6	107	12.0	111
12	14.3	14.0	11.5	111	11.1	107
8	14.0	12.0	11.0	106	10.5	97
14	14.5	13.7	10.8	104	9.0	87
15	11.5	7.5	11.2	104	12.0	101
16	9.0	8.5	11.7	101	11.7	101
04-12-74 morning						
17	8.0	8.5	12.5	105	12.5	108
9	15.0	8.0	11.4	112	11.9	100
12	15.5	15.5	10.9	109	10.5	105
8	15.0	14.0	10.9	109	10.5	105
14	14.0	13.5	10.6	102	10.5	101
15	10.0	10.0	12.6	112	12.6	112
16	8.0	8.0	12.8	108	12.6	106

(continued)

TABLE A-7 (continued)

Station	Temperature (C) S	Temperature (C) B	Dissolved O_2 (mg/liter) S	% Sat	Dissolved O_2 (mg/liter) B	% Sat
			06-11-74 morning			
17	21.5	21.0	5.8	66	5.4	60
9	23.5	22.0	4.8	56	3.5	40
12	29.3	30.0	5.3	68	4.9	64
8	28.7	29.0	5.2	67	4.8	62
14	28.7	29.0	5.1	64	4.9	63
15	24.0	22.0	5.5	65	5.2	59
16	22.0	22.0	5.7	65	5.5	63
			06-12-74 afternoon			
17	23.0	22.0	6.2	71	5.4	61
9	25.0	23.0	4.9	58	4.2	48
12	29.3	29.5	5.0	64	4.7	62
8	29.5	28.5	5.0	64	4.1	53
14	29.0	28.0	5.1	65	4.2	53
15	25.0	21.0	6.4	76	6.8	76
16	23.5	21.0	6.4	75	5.7	63
			06-13-74 morning			
17	21.5	21.3	5.5	61	5.2	58
9	23.5	23.0	4.9	58	4.8	55
12	28.7	29.0	4.9	63	4.6	59
8	28.7	28.0	4.8	62	4.5	57
14	28.3	28.0	5.0	63	4.4	58
15	24.7	24.0	4.2	50	4.1	48
16	22.7	22.0	5.3	61	5.2	59

(continued)

TABLE A-7 (continued)

Station	Temperature (C) S	Temperature (C) B	Dissolved O_2 (mg/liter) S	Dissolved O_2 (mg/liter) % Sat	Dissolved O_2 (mg/liter) B	Dissolved O_2 (mg/liter) % Sat
			08-14-74 evening			
17	25.2	25.0	13.5	160	13.1	156
9	27.0	26.0	8.2	101	1.3	16
12	35.2	35.5	12.4	175	12.4	175
8	34.5	31.2	11.4	158	2.5	33
14	34.0	34.0	10.6	147	10.1	140
15	29.5	29.0	12.7	163	12.9	165
16	27.0	27.0	13.4	165	13.1	162
			08-15-74 afternoon			
17	26.0	25.5	10.4	127	9.2	110
9	29.2	26.0	6.0	77	4.2	51
12	34.0	34.0	9.6	119	8.4	117
8	34.0	31.0	7.7	107	6.1	81
14	33.5	32.0	7.8	107	5.7	77
15	29.0	27.0	9.4	121	8.1	100
16	27.0	25.2	11.2	138	10.3	123
			08-16-74 morning			
17	26.0	25.0	8.1	99	7.7	92
9	27.0	26.0	4.0	49	1.8	22
12	31.5	31.5	7.9	105	7.6	101
8	30.7	30.0	7.6	101	7.1	93
14	30.0	30.0	7.7	101	7.0	92
15	27.0	25.5	7.6	94	8.4	100
16	25.7	25.7	8.4	102	8.4	102

(continued)

TABLE A-7 (continued)

Station	Temperature (C) S	Temperature (C) B	Dissolved O_2 (mg/liter) S	Dissolved O_2 (mg/liter) % Sat	Dissolved O_2 (mg/liter) B	Dissolved O_2 (mg/liter) % Sat
			10-19-74 morning			
17	12.0	12.0	--	--	--	--
9	12.5	13.2	--	--	--	--
12	21.2	21.7	--	--	--	--
8	20.2	18.5	--	--	--	--
14	19.5	20.0	--	--	--	--
15	15.5	15.0	--	--	--	--
16	13.0	11.5	--	--	--	--
			10-20-74 evening			
17	10.0	10.0	--	--	--	--
9	12.2	11.5	--	--	--	--
12	17.0	18.2	--	--	--	--
8	17.5	18.0	--	--	--	--
14	16.7	17.2	--	--	--	--
15	14.0	14.0	--	--	--	--
16	12.0	12.0	--	--	--	--
			10-21-74 afternoon			
17	10.2	10.0	--	--	--	--
9	13.5	10.5	--	--	--	--
12	21.0	21.0	--	--	--	--
8	20.0	16.7	--	--	--	--
14	19.0	18.5	--	--	--	--
15	15.0	14.5	--	--	--	--
16	12.0	12.0	--	--	--	--

(continued)

TABLE A-7 (continued)

Station	Temperature (C) S	Temperature (C) B	Dissolved O_2 (mg/liter) S	% Sat	Dissolved O_2 (mg/liter) B	% Sat
			01-24-75 evening			
17	1.7	5.0	14.6	106	12.3	96
9	11.0	4.0	14.6	132	12.4	95
12	15.5	15.0	11.8	110	11.4	112
8	13.2	12.0	11.0	104	10.5	98
14	12.5	12.5	11.3	105	10.9	101
15	9.2	7.5	14.0	121	11.6	95
16	8.7	7.0	10.3	89	10.3	85
			01-25-75 morning			
17	6.0	5.0	11.7	94	11.7	92
9	13.2	4.0	11.7	111	11.9	91
12	14.5	15.0	14.4	139	14.1	139
8	12.7	12.0	10.9	103	10.2	95
14	12.2	12.5	11.6	108	10.2	95
15	7.5	7.0	11.2	92	11.2	92
16	3.7	3.7	13.2	101	13.4	103
			01-25-75 afternoon			
17	6.5	5.0	12.2	98	11.7	92
9	12.0	4.5	11.5	107	12.4	95
12	15.2	15.7	11.3	111	11.2	112
8	14.0	11.5	9.9	96	9.6	87
14	13.0	13.6	10.2	97	9.9	96
15	8.2	7.2	11.7	99	11.6	95
16	4.0	3.2	13.0	100	12.4	92

(continued)

TABLE A-7 (continued)

Station	Temperature (C) S	Temperature (C) B	Dissolved O_2 (mg/liter) S	Dissolved O_2 (mg/liter) % Sat	Dissolved O_2 (mg/liter) B	Dissolved O_2 (mg/liter) % Sat
			03-15-75 afternoon			
17	2.2	2.5	13.5	98	14.6	106
9	12.5	4.0	11.5	107	11.9	91
12	16.2	16.7	11.6	116	11.9	123
8	16.0	13.5	10.4	104	10.5	99
14	15.2	14.0	10.6	104	10.3	99
15	7.7	7.7	11.7	99	11.5	97
16	5.0	5.0	12.9	101	12.6	99
			03-16-75 evening			
17	2.5	5.0	14.3	104	12.9	101
9	14.2	6.0	15.0	145	12.7	102
12	20.0	20.0	11.3	123	11.2	122
8	18.2	16.5	10.9	115	9.4	94
14	17.5	17.7	9.8	101	9.3	98
15	11.7	8.3	11.4	106	11.1	94
16	7.0	6.5	11.7	96	11.6	93
			03-17-75 morning			
17	2.2	2.5	14.6	106	14.2	103
9	15.7	5.0	12.6	126	13.1	103
12	19.0	19.5	11.3	121	11.1	118
8	17.5	15.5	12.7	131	9.5	94
14	16.7	17.0	9.7	100	9.1	94
15	11.0	11.0	11.7	115	12.5	113
16	7.0	7.0	12.5	103	12.0	99

(continued)

TABLE A-7 (continued)

Station	Temperature (C) S	Temperature (C) B	Dissolved O_2 (mg/liter) S	Dissolved O_2 (mg/liter) % Sat	Dissolved O_2 (mg/liter) B	Dissolved O_2 (mg/liter) % Sat
05-16-75 evening						
17	15.0	16.0	11.6	114	8.4	84
9	--	--	--	--	--	--
12	28.1	27.8	9.4	119	8.9	113
8	26.2	24.2	8.6	105	6.9	82
14	25.0	22.5	8.3	99	7.4	84
15	21.2	20.0	9.7	108	10.9	119
16	17.0	17.0	10.6	110	10.3	107
05-17-75 afternoon						
17	17.0	16.3	13.9	144	13.0	130
9	20.0	16.5	11.2	122	7.6	76
12	28.0	28.2	10.9	138	11.1	141
8	27.0	27.0	10.5	130	9.5	118
14	27.0	26.7	9.6	119	8.9	110
15	22.0	22.0	10.4	119	11.0	125
16	20.0	19.9	13.2	144	13.1	143
05-18-75 morning						
17	18.2	17.0	12.8	135	11.4	118
9	20.7	18.6	10.5	117	9.0	96
12	28.2	28.5	11.2	142	10.7	136
8	27.2	25.0	10.1	125	9.0	108
14	26.7	26.6	10.3	128	9.8	121
15	22.3	22.0	11.2	128	11.0	125
16	20.2	18.0	12.5	136	11.8	125

(continued)

TABLE A-7 (continued)

Station	Temperature (C) S	Temperature (C) B	Dissolved O_2 (mg/liter) S	Dissolved O_2 (mg/liter) % Sat	Dissolved O_2 (mg/liter) B	Dissolved O_2 (mg/liter) % Sat
			07-27-75 evening			
17	24.4	--	--	--	--	--
9	23.9	--	--	--	--	--
12	33.3	--	--	--	--	--
8	33.3	--	--	--	--	--
14	31.7	--	--	--	--	--
15	28.3	--	--	--	--	--
16	24.4	--	--	--	--	--
			07-28-75 afternoon			
17	26.7	--	--	--	--	--
9	26.7	--	--	--	--	--
12	35.0	--	--	--	--	--
8	34.4	--	--	--	--	--
14	35.0	--	--	--	--	--
15	30.6	--	--	--	--	--
16	28.9	--	--	--	--	--
			07-29-75 morning			
17	26.7	--	--	--	--	--
9	25.6	--	--	--	--	--
12	33.9	--	--	--	--	--
8	33.3	--	--	--	--	--
14	32.8	--	--	--	--	--
15	28.3	--	--	--	--	--
16	25.6	--	--	--	--	--

(continued)

TABLE A-7 (continued)

Station	Temperature (C) S	Temperature (C) B	Dissolved O_2 (mg/liter) S	Dissolved O_2 (mg/liter) % Sat	Dissolved O_2 (mg/liter) B	Dissolved O_2 (mg/liter) % Sat
			09-15-75 evening			
17	17.0	16.0	9.8	101	9.8	98
9	17.0	16.0	9.0	93	8.4	84
12	26.2	26.5	9.3	114	9.2	113
8	26.0	25.0	9.4	115	9.2	110
14	24.7	24.0	12.7	152	11.7	138
15	21.5	--	--	--	--	--
16	19.0	--	--	--	--	--
			09-16-75 afternoon			
17	18.2	17.0	9.4	99	9.7	100
9	19.0	16.0	10.0	107	10.6	106
12	25.5	26.0	9.1	109	9.3	114
8	25.5	22.6	9.5	113	9.6	111
14	25.5	25.0	9.4	112	9.6	115
15	21.5	17.0	10.7	119	10.8	112
16	19.0	17.0	11.5	123	11.8	122
			09-17-75 morning			
17	17.0	17.0	9.8	101	9.9	102
9	19.0	16.0	9.0	96	9.8	98
12	26.0	26.5	9.4	115	9.2	113
8	25.0	23.5	9.4	112	9.4	108
14	25.0	25.0	9.5	113	9.5	113
15	22.0	21.0	9.6	109	9.7	108
16	18.5	17.5	9.4	99	9.6	99

TABLE A-8. THE DISTRIBUTION OF SUSPENDED SOLIDS IN THE COOLING SYSTEM (mg/liter)

Date	Station 17	9	18	12	8	14	15	16
11/10/72	59.0	48.8	48.8	53.0	68.0	67.4	63.4	54.8
01/18/73	32.4	36.2	33.5	55.4	28.2	54.0	69.8	39.4
04/06/73	29.6	27.8	28.5	30.8	33.8	36.0	31.8	27.6
06/13/73	18.8	25.6	21.4	28.2	29.8	27.6	28.2	23.6
08/10/73	43.2	23.0	36.9	35.8	39.6	43.6	46.4	27.4
10/01/73	86.0	34.8	78.1	50.0	44.4	48.2	46.2	66.6
1973 mean	44.8	32.7	41.2	42.2	40.6	46.1	47.6	39.9
12/14/73	17.0	13.2	14.5	18.6	25.2	28.4	36.4	20.2
02/02/74	59.0	46.4	46.4	55.4	74.2	59.6	--	--
04/12/74	53.8	57.0	57.0	56.2	55.0	62.2	70.8	86.8
06/13/74	20.8	26.0	21.9	31.4	40.6	50.4	91.2	29.6
08/16/74	19.6	27.2	20.2	27.6	31.0	24.0	17.2	14.8
10/19/74	18.0	23.4	18.9	26.4	31.8	37.8	21.8	14.8
1974 mean	31.4	32.2	29.8	35.9	43.0	43.7	47.5	33.2

(continued)

TABLE A-8 (continued)

Date	Station 17	9	18	12	8	14	15	16
01/25/75	30.2	26.0	28.9	31.6	37.2	34.2	29.8	41.4
03/17/75	24.5	193.2	126.5	20.2	35.8	76.2	46.6	39.6
05/18/75	23.8	38.6	30.4	33.4	31.4	35.4	19.0	15.8
07/29/75	16.0	40.0	17.2	33.2	60.2	33.8	15.0	17.8
09/17/75	19.0	41.8	22.1	42.0	31.0	30.0	20.2	19.8
1975 mean	22.7	67.9	45.8	32.1	39.1	41.9	26.1	26.9
Grand Annual Mean	33.0	44.3	38.7	36.7	40.9	43.9	40.4	33.3

TABLE A-9. THE DISTRIBUTION OF TOTAL INORGANIC CARBON IN THE COOLING SYSTEM (mg/liter)

Date	Station 17	9	18	12	8	14	15	16
11/10/72	24.2	35.0	35.0	35.6	35.6	34.4	27.8	20.2
01/18/73	27.6	26.6	27.3	30.2	30.4	30.4	26.4	24.6
04/06/73	18.2	34.4	28.2	30.8	29.6	29.0	24.8	20.2
06/13/73	26.2	34.0	29.2	27.6	31.0	32.0	28.4	26.6
08/10/73	22.6	38.8	27.7	25.0	25.0	23.8	22.4	13.4
10/01/73	21.6	30.2	23.0	23.7	25.4	25.4	22.6	23.2
1973 mean	23.4	33.2	28.4	28.8	29.5	29.2	25.4	21.4
12/14/73	21.6	39.0	33.0	30.0	31.0	31.8	25.2	21.8
02/02/74	30.0	30.6	30.6	29.4	29.6	28.8	--	--
04/12/74	35.8	41.8	41.8	42.2	42.0	39.6	28.8	24.0
06/13/74	21.0	50.6	27.3	39.6	30.2	30.0	27.6	25.0
08/16/74	19.6	35.0	20.8	20.6	19.4	19.6	19.2	17.4
10/19/74	20.4	30.4	22.0	22.0	23.2	22.8	21.6	19.4
1974 mean	24.7	37.9	29.3	30.6	29.2	28.8	24.5	21.5

(continued)

TABLE A-9 (continued)

Date	Station 17	9	18	12	8	14	15	16
01/25/75	26.4	39.4	30.4	35.6	34.2	34.0	32.0	23.6
03/17/75	21.3	37.4	21.0	34.4	35.0	36.2	31.2	26.6
05/18/75	32.2	48.6	39.5	29.6	30.4	30.0	20.0	18.8
07/29/75	19.4	27.6	20.8	21.0	20.4	21.2	19.6	18.2
09/17/75	23.2	38.4	25.3	29.6	26.0	27.2	26.0	23.2
1975 mean	24.5	38.3	27.4	30.0	29.2	29.7	25.8	22.1
Grand Annual Mean	24.2	26.4	28.2	29.8	29.3	29.2	25.2	21.7

TABLE A-10. THE DISTRIBUTION OF PARTICULATE ORGANIC CARBON IN THE COOLING SYSTEM (mg/liter)

Date	Station 17	9	18	12	8	14	15	16
11/10/72	3.0	2.2	2.2	4.0	4.2	4.4	2.2	2.2
01/18/73	1.0	.6	.9	1.2	2.6	4.0	5.6	2.8
04/06/73	.8	1.0	.9	2.4	2.0	2.0	1.6	3.2
06/13/73	2.8	4.8	3.5	4.0	4.2	4.4	4.0	4.0
08/10/73	2.0	.0	1.4	1.8	.8	.8	1.6	1.6
10/01/73	.0	.0	.0	.0	.2	.0	.0	.0
1973 mean	1.6	1.4	1.5	2.2	2.3	2.6	2.5	2.3
12/14/73	.6	.4	.5	1.0	.4	.6	.8	1.2
02/02/74	.0	1.0	1.0	1.0	1.4	2.2	--	--
04/12/74	.0	.0	.0	.0	.0	1.0	1.0	1.8
06/13/74	.0	1.0	.2	.4	.2	.6	1.8	.8
08/16/74	1.4	1.8	1.4	2.2	2.2	1.2	1.0	1.8
10/19/74	.2	1.4	.2	1.4	1.0	1.0	.6	1.2
1974 mean	.4	.9	.6	1.0	.9	1.1	1.0	1.4

(continued)

TABLE A-10 (continued)

Date	Station 17	9	18	12	8	14	15	16
01/25/75	1.4	2.4	1.7	2.6	3.2	2.6	1.8	1.4
03/17/75	.5	8.6	5.2	1.6	1.8	3.0	3.0	2.4
05/18/75	.2	1.6	.8	.6	1.0	1.4	.8	1.4
07/29/75	2.8	3.4	2.8	3.4	4.2	3.0	1.4	3.4
09/17/75	3.4	3.6	3.4	2.0	1.2	4.4	2.8	3.6
1975 mean	1.7	3.9	2.8	2.0	2.3	2.9	2.0	2.4
Grand Annual Mean	1.2	2.1	1.6	1.8	1.8	2.2	1.8	2.0

TABLE A-11. THE DISTRIBUTION OF DISSOLVED ORGANIC CARBON IN THE COOLING SYSTEM (mg/liter)

Date	Station 17	9	18	12	8	14	15	16
11/10/72	6.0	7.0	7.0	5.8	6.4	6.6	5.4	4.4
01/18/73	11.8	11.6	11.7	10.0	7.6	7.4	4.2	4.4
04/06/73	4.4	7.2	6.1	7.4	6.8	6.6	6.4	5.2
06/13/73	4.8	5.6	5.1	3.8	3.4	3.2	2.6	2.2
08/10/73	6.2	9.2	7.1	6.2	6.0	5.8	5.6	4.2
10/01/73	4.2	4.4	4.2	5.3	5.8	5.2	4.0	4.0
1973 mean	6.2	7.5	6.9	6.4	6.0	5.8	4.7	4.1
12/14/73	3.6	7.4	5.1	4.4	6.4	7.0	4.6	2.8
02/02/74	8.2	7.2	7.2	8.0	7.4	7.2	--	--
04/12/74	7.0	7.8	7.8	7.6	7.6	7.4	7.6	4.6
06/13/74	5.4	10.0	6.2	7.0	7.2	6.8	8.2	6.4
08/16/74	4.6	7.0	4.7	4.2	10.4	5.8	5.0	5.0
10/19/74	4.0	5.0	4.0	4.0	4.0	3.8	4.0	3.0
1974 mean	5.5	7.4	5.8	5.9	7.2	6.3	5.9	4.4

(continued)

TABLE A-11 (continued)

Date	Station 17	9	18	12	8	14	15	16
01/25/75	4.6	4.6	4.6	4.4	4.2	4.4	4.0	3.6
03/17/75	4.5	7.2	6.1	5.6	4.8	4.6	3.4	3.4
05/18/75	5.2	7.8	6.3	7.6	6.0	5.2	5.6	5.6
07/29/75	3.4	5.0	3.5	3.0	3.2	4.0	4.4	3.2
09/17/75	4.8	6.6	5.0	6.8	6.8	4.4	5.8	4.4
1975 mean	4.5	6.2	5.1	5.5	5.0	4.5	4.6	4.0
Grand Annual Mean	5.4	7.0	5.9	5.9	6.1	5.6	5.1	4.2

TABLE A-12. THE DISTRIBUTION OF TOTAL PHOSPHORUS IN THE COOLING SYSTEM(mg/liter)

Date	17	9	18	12	8	14	15	16
11/10/72	.16	.22	.22	.22	.24	.23	.19	.12
01/18/73	.20	.20	.19	.22	.21	.20	.16	.14
04/06/73	.09	.11	.10	.13	.13	.13	.12	.11
06/13/73	.12	.21	.15	.13	.16	.14	.11	.09
08/10/73	.18	.25	.20	.19	.17	.19	.18	.13
10/01/73	.11	.13	.12	.13	.13	.14	.12	.12
1973 mean	.14	.19	.17	.17	.18	.17	.15	.12
12/14/73	.06	.16	.10	.12	.13	.09	.10	.06
02/02/74	.17	.18	.18	.19	.27	.18	--	--
04/12/74	.14	.17	.17	.16	.17	.16	.14	.11
06/13/74	.08	.20	.10	.16	.14	.14	.23	.12
08/16/74	.08	.22	.09	.10	.10	.09	.08	.08
10/19/74	.07	.17	.07	.10	.11	.10	.09	.07
1974 mean	.10	.19	.12	.14	.16	.13	.13	.08

(continued)

TABLE A-12 (continued)

Date	17	9	18	12	8	14	15	16
01/25/75	.08	.10	.09	.12	.12	.12	.11	.12
03/17/75	.12	.43	.30	.15	.14	.19	.15	.11
05/18/75	.05	.15	.09	.11	.10	.13	.07	.05
07/29/75	.19	.23	.19	.09	.19	.13	.07	.05
09/17/75	.07	.18	.08	.15	.13	.14	.12	.10
1975 mean	.10	.22	.15	.13	.13	.14	.11	.08
Grand Annual Mean	.11	.20	.15	.15	.16	.15	.13	.09

TABLE A-13. THE DISTRIBUTION OF DISSOLVED PHOSPHORUS IN THE COOLING SYSTEM (mg/liter)

Date	Station 17	9	18	12	8	14	15	16
11/10/72	.07	.14	.14	.14	.12	.13	.08	.04
01/18/73	.10	.11	.10	.11	.11	.10	.07	.06
04/06/73	.04	.06	.05	.07	.07	.06	.06	.05
06/13/73	.07	.12	.09	.07	.07	.07	.06	.04
08/10/73	.07	.16	.10	.09	.08	.08	.08	.05
10/01/73	.02	.06	.03	.04	.06	.06	.05	.04
1973 mean	.06	.11	.09	.09	.09	.08	.07	.05
12/14/73	.03	.12	.07	.08	.08	.08	.04	.02
02/02/74	.07	.06	.06	.07	.07	.07	--	--
04/12/74	.04	.05	.05	.07	.06	.05	.05	.05
06/13/74	.04	.11	.05	.09	.06	.06	.06	.04
08/16/74	.03	.15	.04	.05	.04	.04	.03	.03
10/19/74	.02	.10	.02	.04	.04	.04	.02	.03
1974 mean	.04	.10	.05	.07	.06	.06	.04	.03

(continued)

TABLE A-13 (continued)

Date	Station 17	9	18	12	8	14	15	16
01/25/75	.05	.08	.06	.08	.11	.08	.06	.07
03/17/75	.05	.16	.11	.10	.10	.10	.07	.07
05/18/75	.04	.10	.06	.06	.10	.07	.04	.03
07/29/75	.02	.12	.02	.06	.10	.10	.04	.03
09/17/75	.05	.13	.06	.13	.10	.09	.08	.07
1975 mean	.04	.12	.06	.09	.10	.09	.06	.05
Grand Annual Mean	.05	.11	.07	.08	.08	.08	.05	.04

TABLE A-14. THE DISTRIBUTION OF PARTICULATE PHOSPHORUS IN THE COOLING SYSTEM (mg/liter)

Date	Station 17	9	18	12	8	14	15	16
11/10/72	.09	.08	.08	.08	.12	.10	.11	.08
01/18/73	.10	.09	.09	.11	.10	.10	.09	.08
04/06/73	.05	.05	.05	.06	.06	.07	.06	.06
06/13/73	.05	.09	.06	.06	.09	.07	.05	.05
08/10/73	.11	.09	.10	.10	.09	.11	.10	.08
10/01/73	.09	.07	.09	.08	.07	.08	.07	.08
1973 mean	.08	.08	.08	.08	.09	.09	.08	.07
12/14/73	.03	.04	.03	.04	.05	.05	.06	.04
02/02/74	.10	.12	.12	.12	.20	.18	--	--
04/12/74	.10	.12	.12	.09	.11	.11	.09	.06
06/13/74	.04	.09	.05	.07	.08	.08	.17	.08
08/16/74	.05	.07	.05	.05	.06	.06	.05	.05
10/19/74	.05	.07	.05	.06	.07	.08	.07	.04
1974 mean	.06	.09	.07	.07	.10	.09	.09	.05

(continued)

TABLE A-14 (continued)

Date	Station 17	9	18	12	8	14	15	16
01/25/75	.03	.02	.03	.04	.01	.04	.05	.05
03/17/75	.07	.27	.19	.05	.04	.09	.08	.04
05/18/75	.01	.05	.03	.05	.00	.06	.03	.02
07/29/75	.17	.11	.17	.03	.09	.03	.03	.02
09/17/75	.02	.05	.02	.02	.03	.05	.04	.03
1975 mean	.06	.10	.09	.04	.03	.05	.05	.03
Grand Annual Mean	.07	.09	.08	.06	.07	.08	.07	.05

TABLE A-15. THE DISTRIBUTION OF TOTAL NON-GASEOUS NITROGEN IN THE COOLING SYSTEM (mg/liter)

Date	Station 17	9	18	12	8	14	15	16
11/10/72	5.93	9.55	9.55	9.60	9.50	9.23	6.94	2.97
01/18/73	5.81	5.40	5.68	5.34	5.51	5.50	4.62	3.36
04/06/73	1.89	5.02	3.81	4.77	4.98	4.87	4.16	3.33
06/13/73	2.43	2.73	2.54	2.38	2.28	2.69	1.81	1.54
08/10/73	1.94	3.47	2.41	2.65	2.27	2.22	2.23	1.34
10/01/73	1.26	1.45	1.29	1.93	1.78	1.89	1.52	1.34
1973 mean	3.21	4.60	4.21	4.45	4.39	4.40	3.55	2.31
12/14/73	1.18	2.99	1.94	2.22	2.36	2.43	1.65	1.18
02/02/74	6.81	6.84	6.84	6.86	5.52	7.11	--	--
04/12/74	3.88	4.96	4.96	4.90	4.93	4.82	3.48	2.72
06/13/74	1.54	3.36	1.91	2.87	2.36	2.34	2.88	1.90
08/16/74	.84	2.56	.95	1.19	1.10	1.04	.83	.81
10/19/74	.85	2.32	.24	.99	1.12	1.10	.89	.67
1974 mean	2.52	3.84	2.93	3.17	2.90	3.14	1.95	1.46

(continued)

TABLE A-15 (continued)

Date	Station 17	9	18	12	8	14	15	16
01/25/75	3.50	4.46	3.78	4.80	4.58	4.93	4.40	4.52
03/17/75	2.17	4.80	3.74	3.76	3.93	3.94	3.38	3.07
05/18/75	1.34	3.22	2.15	2.51	2.26	2.48	2.11	1.82
07/29/75	.85	2.95	.94	1.36	1.73	1.71	1.00	.91
09/17/75	1.06	2.81	1.28	1.77	1.64	1.76	1.63	1.50
1975 mean	1.78	3.65	2.37	2.84	2.83	2.96	2.50	2.36
Grand Annual Mean	2.50	4.03	3.18	3.49	3.37	3.50	2.67	2.04

TABLE A-16. THE DISTRIBUTION OF AMMONIA-NITROGEN IN THE COOLING SYSTEM (mg/liter)

	Station							
Date	17	9	18	12	8	14	15	16
11/10/72	.13	.28	.28	.27	.31	.10	.18	.11
01/18/72	.38	.47	.40	.51	.67	.60	.35	.23
04/06/73	.19	.32	.28	.33	.33	.31	.26	.23
06/13/73	.31	.28	.30	.32	.32	.31	.15	.07
08/10/73	.13	.34	.20	.25	.22	.21	.19	.07
10/01/73	.08	.52	.15	.87	.41	.46	.36	.23
1973 mean	.20	.37	.27	.43	.38	.33	.25	.16
12/14/73	.12	.31	.20	.34	.32	.26	.17	.12
02/02/74	.20	.15	.15	.14	.20	.20	--	--
04/12/74	.08	.13	.13	.16	.14	.15	.10	.09
06/13/74	.09	.10	.09	.25	.18	.20	.21	.10
08/16/74	.02	.43	.05	.11	.04	.06	.00	.00
10/19/74	.02	.50	.05	.10	.11	.15	.08	.01
1974 mean	.09	.27	.11	.18	.17	.17	.11	.06

(continued)

TABLE A-16 (continued)

Date	Station 17	9	18	12	8	14	15	16
01/25/75	.30	.48	.35	.43	.43	.49	.43	.22
03/17/75	.21	.37	.30	.16	.19	.21	.13	.11
05/18/75	.13	.22	.17	.24	.24	.21	.13	.17
07/29/75	.02	.33	.03	.11	.10	.15	.02	.01
09/17/75	.02	.51	.08	.02	.01	.04	.02	.01
1975 mean	.14	.38	.19	.19	.19	.22	.15	.10
Grand Annual Mean	.14	.34	.19	.27	.25	.24	.17	.11

TABLE A-17. THE DISTRIBUTION OF NITRATE-NITROGEN IN THE COOLING SYSTEM (mg/liter)

	Station							
Date	17	9	18	12	8	14	15	16
11/10/72	4.54	8.22	8.22	8.27	9.50	7.63	4.95	1.95
01/18/73	4.17	3.90	4.09	3.79	4.14	4.04	3.50	2.72
04/06/73	1.11	3.70	2.70	3.37	3.50	3.48	2.84	2.31
06/13/73	1.25	1.35	1.29	1.13	1.05	1.37	.88	.68
08/10/73	.58	1.63	1.91	.88	.77	.72	.79	.44
10/01/73	.37	.48	.39	.31	.37	.40	.39	.38
1973 mean	2.00	3.21	2.93	2.96	3.22	2.94	2.23	1.41
12/14/73	.60	1.72	1.08	1.09	1.20	1.23	.87	.56
02/02/74	5.48	5.48	5.48	5.49	5.52	5.35	--	--
04/12/74	3.01	3.86	3.86	3.84	3.91	3.92	2.57	1.83
06/13/74	.82	2.25	1.12	1.69	1.34	1.33	1.39	1.06
08/16/74	.13	.36	.15	.15	.15	.12	.12	.10
10/19/74	.10	.39	.15	.14	.17	.18	.14	.10
1974 mean	1.69	2.34	1.97	2.07	2.05	2.02	1.02	.73

(continued)

TABLE A-17 (continued)

Date	Station 17	9	18	12	8	14	15	16
01/25/75	2.75	3.38	2.94	3.70	3.39	3.74	3.19	3.56
03/17/75	1.30	3.08	2.38	2.71	2.82	2.83	2.47	2.17
05/18/75	.81	2.08	1.37	1.50	1.45	1.43	1.16	.83
07/29/75	.30	1.20	.35	.64	.76	.76	.22	.12
09/17/75	.19	.78	.27	.60	.47	.53	.41	.30
1975 mean	1.07	2.10	1.46	1.83	1.78	1.86	1.49	1.40
Grand Annual Mean	1.59	2.55	2.13	2.29	2.35	2.27	1.58	1.18

TABLE A-18. THE DISTRIBUTION OF ORGANIC NITROGEN IN THE COOLING SYSTEM (mg/liter)

Date	Station 17	9	18	12	8	14	15	16
11/10/72	1.25	1.05	1.05	1.07	1.26	1.50	1.21	.92
01/18/73	1.26	1.03	1.19	1.03	.71	.86	.77	.45
04/06/73	.60	1.00	.84	1.07	1.15	1.10	1.05	.79
06/13/73	.87	1.10	.95	.93	.91	1.01	.77	.78
08/10/73	1.23	1.50	1.31	1.52	1.28	1.29	1.26	.83
10/01/73	.81	.45	.75	1.08	1.00	1.03	.78	.72
1973 mean	1.00	1.02	1.01	1.12	1.05	1.13	.99	.77
12/14/73	.46	.96	.67	.78	.85	.94	.61	.50
02/02/74	1.12	1.21	1.21	1.23	1.23	1.56	1.36	1.10
04/12/74	.79	.97	.97	.90	.89	.76	.81	.80
06/13/74	.62	1.01	.71	.94	.84	.81	1.29	.74
08/16/74	.69	1.77	.76	.93	.91	.86	.71	.71
10/19/74	.73	1.43	.79	.75	.84	.77	.67	.56
1974 mean	.74	1.23	.84	.92	.93	.95	.91	.74

(continued)

TABLE A-18 (continued)

Date	Station 17	9	18	12	8	14	15	16
01/25/75	.46	.60	.50	.66	.75	.70	.78	.74
03/17/75	.65	1.34	1.07	.89	.93	.90	.77	.79
05/18/75	.40	.92	.63	.77	.56	.85	.82	.82
07/29/75	.53	1.42	.56	.61	.87	.80	.76	.78
09/17/75	.85	1.51	.93	1.17	1.16	1.19	1.20	1.18
1975 mean	.58	1.16	.74	.82	.85	.89	.87	.86
Grand Annual Mean	.77	1.14	.86	.95	.94	.99	.85	.77

TABLE A-19. MEAN SPECIES DENSITY OF ALGAE COLLECTED BY STATION AND DATE (no/ml)

11/9/72 Morning

Name	Species Density Station Means 17	9	18	12	8	14	15	16
Cyanophyceae								
Anacystis incerta	22.3	0.0	0.0	2.4	0.0	0.0	0.0	0.0
Anacystis minimus	0.0	0.0	0.0	0.0	0.0	0.0	0.0	16.5
Anacystis montana F. montana	6.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Anacystis montana F. minor	6.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Aphanizomenon flos-aquae	188.0	0.0	0.0	0.0	0.0	14.0	38.2	16.5
Aphanizomenon gracile	68.7	0.0	0.0	2.4	9.3	82.2	58.9	90.9
Gomphosphaeria lacustris	6.5	0.0	0.0	2.4	9.3	0.0	0.0	0.0
Spirulina laxissima	6.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Unk Bl-Gr cell-chroococcales	0.0	0.0	0.0	9.3	40.1	9.6	0.0	0.0
Unk Bl-Gr Colony-chroococcales	0.0	0.0	0.0	0.0	0.0	7.8	12.3	0.0
Unk Filament-Nostocaceae	0.0	0.0	0.0	0.0	0.0	0.0	8.3	0.0
Chlorophyceae								
Actinastrum gracillimum	6.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Ankistrodesmus falcatus	6.5	3.3	3.3	2.4	0.0	0.0	8.3	8.3
Binuclearia eriensis	13.4	0.0	0.0	0.0	0.0	0.0	8.3	16.5
Chlorella ellipsoidea	0.0	0.0	0.0	0.0	2.7	0.0	24.6	8.3
Chlorella variegatus	6.7	17.1	17.1	0.0	0.0	0.0	12.3	8.3
Chlorella vulgaris	13.4	0.0	0.0	0.0	2.7	0.0	13.6	16.5
Closteririopsis longissima	6.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cosmarium abbreviatum	6.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Crucigenia irregularis	0.0	0.0	0.0	0.0	0.0	0.0	5.3	0.0
Elaktothrix viridis	6.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Haematococcus lacustris	0.0	0.0	0.0	2.4	0.0	0.0	0.0	0.0
Kirchneriella lunaris	6.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Lagerheimia quadriseta	0.0	0.0	0.0	11.4	0.0	0.0	0.0	0.0
Nephrocytium agardhianum	0.0	0.0	0.0	0.0	0.0	0.0	5.3	0.0
Oocystis parva	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.3
Pediastrum duplex	0.0	0.0	0.0	0.0	9.3	0.0	0.0	0.0

(continued)

TABLE A-19 (continued)

11/9/72 Morning	Species Density							
	Station Means							
Name	17	9	18	12	8	14	15	16
Chlorophyceae								
Pediastrum tetras	6.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Scenedesmus abundans	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.3
Scenedesmus anomalus	6.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Scenedesmus armatus	6.5	0.0	0.0	0.0	0.0	0.0	5.3	0.0
Scenedesmus bernardii	6.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Scenedesmus bijuga	0.0	0.0	0.0	0.0	0.0	14.0	5.3	8.3
Scenedesmus dimorphus	15.6	0.0	0.0	0.0	0.0	0.0	0.0	8.3
Scenedesmus longus	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.3
Scenedesmus quadricauda	6.7	0.0	0.0	0.0	0.0	0.0	0.0	8.3
Scenedesmus Quad. V longispina	6.7	0.0	0.0	0.0	0.0	0.0	12.3	35.8
Scenedesmus Quad. Var. parvus	31.3	0.0	0.0	0.0	0.0	0.0	13.6	8.3
Scenedesmus sp.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.3
Scenedesmus arcuatus platydisc	0.0	0.0	0.0	0.0	0.0	0.0	5.3	0.0
Schroederia setigera	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.3
Staurastrum chaetocerus	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.3
Tetraedron caudatum	6.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Tetraedron muticum	6.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Tetrastrum glabrum	13.4	0.0	0.0	0.0	0.0	6.2	10.6	8.3
Tetrastrum heteracanthum	6.5	0.0	0.0	0.0	0.0	0.0	5.3	0.0
Tetrastrum staurogeniaeforme	6.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Unknown green cell 1 (Wojcik)	13.4	0.0	0.0	9.3	9.3	9.6	21.8	19.3
Unknown green-distorted	0.0	0.0	0.0	0.0	0.0	32.2	13.6	0.0
Ulothrix subtillissima	0.0	0.0	0.0	0.0	0.0	0.0	25.9	19.3
Bacillariophyceae								
Coscinodiscus radiatus	333.0	29.9	29.9	0.0	62.6	96.4	258.2	229.9
Cyclotella glomerata	27.8	89.8	89.8	102.4	31.3	0.0	25.8	0.0
Cyclotella kutzingiana	83.3	224.4	224.4	0.0	250.6	224.9	0.0	0.0
Cyclotella meneghiniana	416.3	912.5	912.5	1516.3	2474.1	2281.1	774.8	488.6
Cyclotella ocellata	0.0	0.0	0.0	0.0	0.0	0.0	25.8	0.0
Cyclotella stelligera	0.0	14.9	0.0	82.0	62.6	96.4	180.8	143.7

(continued)

TABLE A-19 (continued)

11/9/72 Morning

Species Density

Station Means

Name	17	9	18	12	8	14	15	16
Bacillariophyceae								
Cyclotella sp.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	57.5
Melosira granulata	83.3	0.0	0.0	20.5	62.6	0.0	0.0	57.5
Melosira italica	0.0	0.0	0.0	61.5	0.0	0.0	0.0	57.5
Melosira sp.	0.0	14.9	14.9	20.5	0.0	0.0	25.8	0.0
Melosira varians	0.0	179.5	179.5	41.0	31.3	64.2	0.0	0.0
Stephanodiscus astraea	888.1	14.9	14.9	0.0	31.3	96.4	439.1	919.8
Stephanodiscus niagarae	555.1	14.9	14.9	0.0	0.0	64.2	335.7	316.2
Stephanodiscus sp.	0.0	0.0	0.0	204.9	125.3	289.1	387.4	488.6
Unknown centric filament	388.6	0.0	0.0	0.0	0.0	0.0	129.1	115.0
Achnanthes clevei	0.0	0.0	0.0	0.0	18.2	67.7	0.0	4.6
Achnanthes lanceolata	15.0	36.8	36.8	23.8	90.9	33.8	27.4	4.6
Achnanthes minutissima	5.0	49.0	49.0	23.8	54.6	16.9	6.8	4.6
Amphora ovalis	0.0	24.5	24.5	23.8	18.2	0.0	6.8	0.0
Amphora ovalis var. pediculus	5.0	73.5	73.5	23.8	72.7	50.8	27.4	23.0
Asterionella formosa	90.3	0.0	0.0	0.0	0.0	0.0	27.4	41.4
Caloneis sp.	0.0	0.0	0.0	0.0	0.0	16.9	0.0	0.0
Caloneis ventricosa	0.0	0.0	0.0	0.0	0.0	16.9	0.0	0.0
Cocconeis pediculus	5.0	0.0	0.0	11.9	0.0	16.9	0.0	0.0
Cocconeis placentula	15.0	36.8	36.8	23.8	36.4	84.6	13.7	13.8
Cymatopleura solea	0.0	0.0	0.0	0.0	0.0	0.0	6.8	0.0
Cymbella affinis	0.0	36.8	36.8	0.0	0.0	0.0	0.0	0.0
Cymbella spp.	0.0	0.0	0.0	0.0	18.2	16.9	0.0	0.0
Diatoma elongatum	10.0	0.0	0.0	0.0	0.0	0.0	6.8	0.0
Diatoma sp.	0.0	24.5	24.5	0.0	18.2	0.0	13.7	0.0
Eunotia pectinalis	0.0	0.0	0.0	11.9	0.0	0.0	0.0	0.0
Fragilaria crotonensis	30.1	0.0	0.0	11.9	0.0	0.0	6.8	0.0
Fragilaria spp.	35.1	0.0	0.0	23.8	0.0	16.9	13.7	18.4
Gomphonema angustatum	0.0	24.5	24.5	71.5	0.0	16.9	0.0	0.0
Gomphonema constrictum	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.6
Gomphonema olivaceum	0.0	36.8	36.8	59.6	127.3	67.7	20.6	6.9
Gomphonema parvulum	0.0	0.0	0.0	0.0	90.9	67.7	0.0	9.2

(continued)

TABLE A-19 (continued)

11/9/72 Morning

Species Density

Station Means

Name	17	9	18	12	8	14	15	16
Bacillariophyceae								
Gyrosigma kutzingii	0.0	0.0	0.0	0.0	18.2	0.0	0.0	0.0
Gyrosigma spencerii	5.0	12.2	12.2	11.9	0.0	16.9	0.0	4.6
Mastogloia smithii	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.6
Navicula canalis	0.0	171.6	171.6	119.2	127.3	84.6	48.0	27.6
Navicula cincta	0.0	0.0	0.0	11.9	18.2	0.0	0.0	0.0
Navicula cryptocephala	30.1	122.5	122.5	59.6	36.4	101.5	20.6	46.0
Navicula exigua	5.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Navicula hungarica	5.0	12.2	12.2	0.0	36.4	0.0	6.8	0.0
Navicula krasskei	20.1	0.0	0.0	11.9	0.0	0.0	0.0	0.0
Navicula menisculus	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.6
Navicula minima	0.0	0.0	0.0	23.8	36.4	0.0	0.0	0.0
Navicula muticopsis	0.0	0.0	0.0	11.9	0.0	0.0	0.0	0.0
Navicula pygmaea	5.0	0.0	147.1	0.0	18.2	16.9	0.0	0.0
Navicula rhynchocephala	15.0	147.1	0.0	131.1	145.5	220.0	48.0	23.0
Navicula sp.	15.0	0.0	24.5	0.0	18.2	16.9	27.4	13.8
Navicula tripunctata	10.0	24.5	49.0	35.7	145.5	33.8	27.4	0.0
Navicula viridula	0.0	49.0	0.0	0.0	0.0	0.0	0.0	0.0
Navicula pupula	10.0	0.0	0.0	11.9	0.0	0.0	0.0	0.0
Nitzschia acicularis	35.1	12.2	12.2	11.9	0.0	50.8	34.3	32.2
Nitzschia amphibia	15.0	24.5	24.5	131.1	181.8	84.6	34.3	13.8
Nitzschia dissipata	10.0	24.5	24.5	71.5	90.9	33.8	41.1	13.8
Nitzschia filiformis	5.0	36.8	36.8	0.0	0.0	0.0	0.0	4.6
Nitzschia gracilis	0.0	24.5	24.5	0.0	0.0	0.0	0.0	0.0
Nitzschia kutzingiana	0.0	0.0	0.0	0.0	0.0	16.9	0.0	0.0
Nitzschia palea	0.0	0.0	0.0	0.0	0.0	0.0	13.7	9.2
Nitzschia stagnorum	0.0	0.0	0.0	0.0	0.0	0.0	6.8	0.0
Nitzschia spp.	55.1	12.2	12.2	178.7	218.2	304.6	157.7	92.0
Nitzschia tryblionella	5.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Opephora martyi	0.0	0.0	0.0	0.0	0.0	0.0	6.8	0.0
Rhoicosphenia curvata	5.0	24.5	24.5	0.0	72.7	16.9	0.0	4.6
Surirella angustata	5.0	24.5	24.5	0.0	18.2	33.8	6.8	4.6

(continued)

TABLE A-19 (continued)

11/9/72 Morning	Species Density Station Means							
Name	17	9	18	12	8	14	15	16
Bacillariophyceae								
Surirella ovata	15.0	36.8	36.8	23.8	0.0	33.8	6.8	9.2
Synedra acus	20.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Synedra parasitica	0.0	12.2	12.2	0.0	18.2	0.0	0.0	4.6
Synedra ulna	5.0	49.0	49.0	23.8	72.7	50.8	34.3	4.6
Synedra vaucheriae	0.0	98.0	98.0	23.8	36.4	84.6	6.8	0.0
Tabellaria fenestrata	20.1	0.0	0.0	0.0	0.0	0.0	6.8	9.2
Euglenophyceae								
Euglena gracilis	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.3
Trachelomonas sp.	0.0	0.0	0.0	0.0	9.3	0.0	8.3	8.3
Trachelomonas volvocina	0.0	7.3	7.3	0.0	0.0	0.0	0.0	16.5
Cryptophyceae								
Cryptomonas ovata	0.0	0.0	0.0	0.0	0.0	0.0	8.3	0.0
Chrysophyceae								
Ophiocytium cochleare	6.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Chlorobacteriae								
Pleogloea chlorina	6.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cyanophyceae								
Anabaena spp.	0.0	0.0	0.0	0.0	0.0	0.0	20.1	0.0
Anacystis cyanea	0.0	0.0	0.0	0.0	0.0	0.0	12.9	0.0
Anacystis dispersus	0.0	0.0	0.0	0.0	0.0	0.0	7.2	0.0
Anacystis incerta	0.0	0.0	0.0	0.0	0.0	11.6	0.0	0.0
Anacystis montana F. minor	0.0	0.0	0.0	0.0	0.0	0.0	7.2	0.0
Aphanizomenon flos-aquae	62.7	0.0	0.0	0.0	0.0	11.6	50.1	63.0
Aphanizomenon gracile	91.6	0.0	0.0	0.0	0.0	11.6	114.4	63.0
Rhaphidiopsis curvata	0.0	0.0	0.0	0.0	0.0	0.0	7.2	0.0
Unk Bl-Gr cell-chroococcales	0.0	7.4	0.0	7.4	0.0	11.6	24.1	0.0

(continued)

TABLE A-19 (continued)

11/9/72 Evening

Species Density

Station Means

Name	17	9	18	12	8	14	15	16
Cyanophyceae								
Unk filament-oscillatoriaceae	7.2	0.0	0.0	0.0	0.0	0.0	12.9	12.9
Chlorophyceae								
Actinastrum hantz. v fluvitile	7.2	0.0	0.0	0.0	0.0	0.0	7.2	0.0
Ankistrodesmus falcatus	7.2	0.0	0.0	0.0	0.0	0.0	12.9	0.0
Binuclearia eriensis	7.2	0.0	0.0	0.0	0.0	0.0	20.1	0.0
Chlamydomonas sp. 1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	25.7
Chlamydomonas spp.	0.0	14.8	14.8	0.0	0.0	0.0	0.0	0.0
Chlorella variegatus	0.0	0.0	0.0	0.0	0.0	23.2	0.0	0.0
Chlorella vulgaris	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12.9
Closteririopsis longissima	7.2	0.0	0.0	0.0	0.0	0.0	7.2	12.9
Crucigenia quadrata	7.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Crucigenia sp.	7.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Dictyosphaerium pulchellum	7.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Oocystis pusilla	0.0	7.4	7.4	0.0	0.0	11.6	0.0	12.9
Pediastrum simplex duodenarium	0.0	0.0	0.0	0.0	0.0	0.0	7.2	0.0
Scenedesmus abundans	7.2	0.0	0.0	0.0	0.0	0.0	12.9	25.7
Scenedesmus abundans brevicaud	0.0	0.0	0.0	0.0	0.0	0.0	14.5	12.9
Scenedesmus armatus	31.4	0.0	0.0	0.0	0.0	0.0	7.2	0.0
Scenedesmus bijuga	0.0	0.0	0.0	0.0	0.0	0.0	0.0	25.7
Scenedesmus dimorphus	0.0	0.0	0.0	0.0	0.0	0.0	7.2	12.9
Scenedesmus longus	0.0	0.0	0.0	0.0	0.0	0.0	12.9	0.0
Scenedesmus quadricauda	0.0	0.0	0.0	0.0	0.0	0.0	7.2	0.0
Scenedesmus Quad. V. alternans	24.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Scenedesmus Quad. v. longispina	0.0	0.0	0.0	0.0	0.0	0.0	16.9	12.9
Scenedesmus Quad. Var. parvus	0.0	0.0	0.0	0.0	0.0	0.0	29.7	0.0
Scenedesmus Quad. Var. Westii	0.0	0.0	0.0	0.0	0.0	0.0	7.2	0.0
Sphaerocyctis schroeteri	0.0	7.4	7.4	0.0	0.0	0.0	0.0	0.0
Tetraedron arthrodesmiforme	0.0	0.0	0.0	0.0	0.0	0.0	7.2	0.0
Tetrastrum heteracanthum	0.0	0.0	0.0	0.0	0.0	0.0	7.2	0.0
Tetrastrum staurogeniaeforme	24.1	0.0	0.0	0.0	0.0	0.0	53.9	0.0

(continued)

TABLE A-19 (continued)

11/9/72 Evening

Species Density

Station Means

Name	17	9	18	12	8	14	15	16
Chlorophyceae								
Unknown green cell 1 (Wojcik)	38.6	0.0	0.0	11.6	9.3	0.0	7.2	55.7
Unknown green cell 2 (Wojcik)	7.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Unknown green-distorted	0.0	7.4	7.4	0.0	0.0	11.6	14.5	12.9
Tetradesmus wisconsiniense	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.2
Bacillariophyceae								
Coscinodiscus radiatus	225.2	0.0	0.0	30.6	29.3	62.3	346.4	472.9
Cyclotella antiqua	20.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cyclotella glomerata	0.0	51.1	51.1	244.4	263.4	62.3	0.0	0.0
Cyclotella kutzingiana	81.9	51.1	51.1	0.0	146.3	155.8	157.5	109.1
Cyclotella meneghiniana	204.7	1294.8	1294.8	1955.0	1814.4	1995.1	377.9	618.4
Cyclotella michiganiana	61.4	0.0	0.0	0.0	0.0	0.0	63.0	36.4
Cyclotella stelligera	0.0	0.0	0.0	244.4	0.0	31.2	31.5	0.0
Melosira binderana	0.0	0.0	0.0	30.6	0.0	0.0	0.0	36.4
Melosira granulata	0.0	0.0	0.0	30.6	0.0	93.5	0.0	0.0
Melosira sp.	20.5	0.0	0.0	61.1	0.0	31.2	94.5	72.7
Melosira varians	0.0	68.2	68.2	183.3	58.5	31.2	0.0	36.4
Rhizolenia eriensis	20.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Stephanodiscus astraea	880.3	68.2	68.2	0.0	29.3	124.7	661.4	873.1
Stephanodiscus niagarae	245.7	0.0	0.0	91.6	0.0	31.2	881.8	763.9
Stephanodiscus sp.	307.1	187.4	183.3	585.3	498.8	535.4	509.3	187.4
Unknown centric filament	0.0	0.0	0.0	0.0	0.0	0.0	0.0	72.7
Achnanthes clevei	0.0	31.3	31.3	13.0	0.0	0.0	2.8	0.0
Achanthes lanceolata	2.9	7.8	7.8	91.1	32.5	105.1	8.3	5.2
Achnanthes minutissima	8.6	15.7	15.7	39.0	43.4	0.0	2.8	0.0
Amphora ovalis	0.0	0.0	0.0	0.0	10.9	15.0	2.8	0.0
Amphora ovalis var. pediculus	5.7	39.1	39.1	65.0	32.5	60.0	2.8	0.0
Asterionella formosa	54.5	0.0	0.0	0.0	0.0	0.0	16.6	20.7
Cocconeis pediculus	0.0	0.0	0.0	13.0	0.0	15.0	2.8	0.0
Cocconeis placentula	14.4	62.6	62.6	26.0	75.9	15.0	11.1	10.3
Cymatopleura solea	0.0	0.0	0.0	0.0	10.9	0.0	0.0	0.0

(continued)

TABLE A-19 (continued)

11/9/72 Evening

Species Density

Station Means

Name	17	9	18	12	8	14	15	16
Bacillariophyceae								
Cymbella sinuata	0.0	0.0	0.0	0.0	0.0	15.0	0.0	0.0
Cymbella spp.	2.9	0.0	0.0	0.0	0.0	0.0	0.0	5.2
Diatoma elongatum	2.9	0.0	0.0	0.0	0.0	15.0	0.0	0.0
Diatoma sp.	0.0	0.0	0.0	0.0	0.0	15.0	2.8	15.5
Diatoma vulgare	0.0	0.0	0.0	13.0	0.0	0.0	0.0	0.0
Fragilaria crotonensis	28.7	0.0	0.0	0.0	0.0	0.0	11.1	20.7
Fragilaria leptostauron	2.9	0.0	0.0	0.0	0.0	0.0	2.8	0.0
Fragilaria spp.	14.4	15.7	15.7	41.2	21.7	15.0	11.1	10.3
Gomphonema angustatum	0.0	0.0	0.0	0.0	0.0	0.0	8.3	15.5
Gomphonema olivaceum	11.5	23.5	23.5	65.0	32.5	45.0	2.8	20.7
Gomphonema parvulum	0.0	47.0	47.0	0.0	0.0	0.0	0.0	0.0
Gomphonema sp.	0.0	0.0	0.0	52.0	21.7	15.0	0.0	0.0
Gomphonema acuminatum coronata	0.0	0.0	0.0	0.0	0.0	0.0	2.8	0.0
Gyrosigma spencerii	0.0	0.0	0.0	26.0	0.0	0.0	2.8	5.2
Meridon circulare	0.0	0.0	0.0	0.0	0.0	15.0	2.8	0.0
Navicula canalis	0.0	39.1	39.1	91.1	140.9	135.1	22.2	25.8
Navicula cryptocephala	8.6	54.8	54.8	52.0	43.4	105.1	5.5	15.5
Navicula exigua	0.0	0.0	0.0	0.0	0.0	15.0	0.0	0.0
Navicula gastrum	0.0	0.0	0.0	0.0	0.0	0.0	2.8	0.0
Navicula hungarica	0.0	0.0	0.0	0.0	0.0	30.0	0.0	5.2
Navicula krasskei	0.0	0.0	0.0	13.0	21.7	15.0	2.8	0.0
Navicula minima	0.0	15.7	15.7	0.0	32.5	0.0	0.0	0.0
Navicula mutica	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.2
Navicula pygmaea	0.0	15.7	15.7	13.0	32.5	0.0	0.0	0.0
Navicula rhynchocephala	0.0	148.7	148.7	156.1	140.9	240.1	36.1	46.5
Navicula scutelloides	2.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Navicula sp.	2.9	23.5	23.5	0.0	21.7	45.0	2.8	15.5
Navicula tripunctata	0.0	47.0	47.0	65.0	75.9	60.0	8.3	10.3
Navicula pupula	2.9	0.0	0.0	0.0	10.9	15.0	0.0	0.0
Nitzschia acicularis	25.8	0.0	0.0	13.0	0.0	15.0	5.5	10.3
Nitzschia amphibia	8.6	47.0	47.0	0.0	10.9	30.0	8.3	10.3

(continued)

TABLE A-19 (continued)

11/9/72 Evening

Species Density

Station Means

Name	17	9	18	12	8	14	15	16
Bacillariophyceae								
Nitzschia commutata	0.0	7.8	7.8	0.0	0.0	0.0	0.0	0.0
Nitzschia dissipata	11.5	7.8	7.8	39.0	21.7	30.0	2.8	31.0
Nitzschia filiformis	0.0	0.0	0.0	13.0	0.0	0.0	0.0	0.0
Nitzschia palea	2.9	15.7	15.7	0.0	0.0	0.0	0.0	5.2
Nitzschia sigma	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.2
Nitzschia stagnorum	0.0	0.0	0.0	0.0	0.0	0.0	2.8	0.0
Nitzschia sp. 2	0.0	0.0	0.0	0.0	0.0	60.0	0.0	5.2
Nitzschia spp.	28.7	70.4	70.4	169.1	130.1	210.1	36.1	108.4
Opephora martyi	5.7	0.0	0.0	0.0	0.0	0.0	2.8	0.0
Rhoicosphenia curvata	0.0	15.7	15.7	39.0	32.5	0.0	0.0	0.0
Surirella angustata	0.0	7.8	7.8	13.0	0.0	0.0	5.5	0.0
Surirella ovata	2.9	0.0	0.0	52.0	10.9	30.0	5.5	10.3
Synedra acus	14.4	0.0	0.0	0.0	0.0	15.0	22.2	5.2
Synedra nana	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.2
Synedra sp.	2.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Synedra ulna	5.7	54.8	54.8	91.1	86.7	90.1	11.1	10.3
Synedra vaucheriae	0.0	0.0	0.0	39.0	0.0	0.0	0.0	0.0
Tabellaria fenestrata	20.1	0.0	0.0	0.0	0.0	0.0	0.0	10.3
Unknown pennate 2 (Wojcik)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	25.8
Unknown pennate 3 (Wojcik)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	25.8
Unknown pennate 7 (Wojcik)	0.0	0.0	0.0	0.0	10.9	15.0	0.0	0.0
Euglenophyceae								
Trachelomonas sp.	0.0	7.4	7.4	0.0	0.0	0.0	0.0	0.0
Trachelomonas dybowskii	0.0	0.0	0.0	11.6	0.0	0.0	0.0	0.0
Cryptophyceae								
Cryptomonas ovata	0.0	0.0	0.0	0.0	0.0	0.0	7.2	0.0
Cyanophyceae								
Anacystis minimus	0.0	0.0	0.0	0.0	0.0	7.4	0.0	14.7

(continued)

TABLE A-19 (continued)

11/10/72 Afternoon	Species Density Station Means							
Name	17	9	18	12	8	14	15	16
Cyanophyceae								
Anacystis minimus	0.0	0.0	0.0	0.0	0.0	7.4	0.0	14.7
Aphanizomenon flos-aquae	17.3	0.0	0.0	7.4	0.0	11.6	24.0	83.0
Aphanizomenon gracile	102.0	0.0	0.0	0.0	14.8	28.9	24.0	8.3
Coccochloris stagina	7.4	0.0	0.0	14.4	0.0	0.0	0.0	0.0
Gomphosphaeria aponina	0.0	7.4	7.4	0.0	0.0	0.0	0.0	0.0
Gomphosphaeria lacustris	0.0	0.0	0.0	0.0	0.0	7.4	0.0	0.0
Oscillatoria spp.	0.0	0.0	0.0	0.0	0.0	0.0	9.6	0.0
Unk Bl-Gr cell-chroococcales	21.3	11.8	11.8	0.0	0.0	0.0	0.0	0.0
Chlorophyceae								
Actinastrum hantz. v fluvitile	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14.7
Ankistrodesmus falcatus	0.0	7.4	7.4	7.4	0.0	0.0	0.0	14.7
Binuclearia eriensis	14.8	0.0	0.0	0.0	0.0	0.0	0.0	23.0
Carteria klebsii	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.3
Chlamydomonas sp. 1	0.0	0.0	0.0	0.0	7.4	0.0	12.4	0.0
Chlorella ellipsoidea	17.3	0.0	0.0	7.4	0.0	0.0	0.0	0.0
Chlorella variegatus	9.4	11.8	11.8	0.0	14.8	35.0	20.6	14.7
Chlorella vulgaris	17.3	32.1	32.1	0.0	14.8	45.7	9.6	0.0
Cosmarium subcrenatum	0.0	0.0	0.0	7.4	0.0	0.0	0.0	0.0
Crucigenia alternans	7.4	0.0	0.0	0.0	0.0	0.0	0.0	14.7
Crucigenia irregularis	0.0	0.0	0.0	0.0	0.0	11.6	0.0	0.0
Crucigenia quadrata	7.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Dictyosphaerium pulchellum	0.0	0.0	0.0	0.0	0.0	6.2	0.0	0.0
Elaktothrix viridis	7.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Kirchneriella oeesa var. major	0.0	0.0	0.0	0.0	0.0	7.4	0.0	0.0
Lagerheimia genevensis subglob	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14.7
Micractinium pusillum	0.0	0.0	0.0	0.0	0.0	0.0	0.0	29.4
Nephrocytium agardhianum	7.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Oocystis borgei	7.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Oocystis parva	0.0	0.0	0.0	0.0	0.0	0.0	9.6	0.0
Oocystis pusilla	0.0	7.4	7.4	0.0	0.0	0.0	0.0	8.3

(continued)

TABLE A-19 (continued)

11/10/72 Afternoon

Species Density

Station Means

Name	17	9	18	12	8	14	15	16
Chlorophyceae								
Pediastrum duplex	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.8
Pediastrum simplex	0.0	0.0	0.0	0.0	7.4	7.4	22.5	14.7
Scenedesmus abundans	7.4	0.0	0.0	0.0	0.0	0.0	9.6	0.0
Scenedesmus anomalus	7.4	0.0	0.0	0.0	0.0	0.0	9.6	0.0
Scenedesmus bernardii	0.0	0.0	0.0	0.0	7.4	0.0	0.0	0.0
Scenedesmus bijuga	0.0	0.0	0.0	0.0	0.0	0.0	9.6	0.0
Scenedesmus brasiliensis	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.3
Scenedesmus dimorphus	0.0	0.0	0.0	0.0	0.0	7.4	0.0	8.3
Scenedesmus longus	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.3
Scenedesmus opliensis	0.0	4.4	4.4	0.0	0.0	0.0	0.0	0.0
Scenedesmus quadricauda	0.0	0.0	0.0	0.0	0.0	6.2	0.0	0.0
Scenedesmus quad. v. alternans	0.0	0.0	0.0	0.0	0.0	7.4	0.0	14.7
Scenedesmus quad. v. longispina	0.0	0.0	0.0	0.0	0.0	7.4	6.2	14.7
Scenedesmus quad. v. quadrispina	7.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Scenedesmus sp.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14.7
Scenedesmus quad. v. maximus	0.0	0.0	0.0	0.0	0.0	11.6	0.0	0.0
Schroederia setigera	0.0	0.0	0.0	0.0	0.0	7.4	0.0	0.0
Selenastrum minutum	0.0	0.0	0.0	0.0	0.0	0.0	9.6	0.0
Tetraedron minimum	0.0	0.0	0.0	6.2	7.4	0.0	0.0	0.0
Tetraedron muticum	0.0	0.0	0.0	0.0	7.4	0.0	0.0	0.0
Tetrastrum glabrum	14.8	7.4	7.4	0.0	0.0	11.6	15.8	0.0
Tetrastrum staurogeniaeforme	0.0	0.0	0.0	0.0	0.0	0.0	9.6	0.0
Unknown green cell 1 (Wojcik)	0.0	0.0	0.0	7.4	7.4	14.8	15.8	25.2
Unknown greel cell 2 (Wojcik)	0.0	0.0	0.0	0.0	0.0	7.4	0.0	14.7
Unknown green-distorted	14.8	7.4	7.4	0.0	7.4	7.4	0.0	0.0
Westella botryoides	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.8
Ulothrix subtillissima	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14.7
Bacillariophyceae								
Coscinodiscus radiatus	290.7	19.6	19.6	0.0	137.3	262.4	513.5	600.9
Cyclotella glomerata	24.2	156.3	156.3	159.8	27.5	26.2	0.0	0.0

(continued)

TABLE A-19 (continued)

11/10/72 Afternoon

Species Density

Station Means

Name	17	9	18	12	8	14	15	16
Bacillariophyceae								
Cyclotella kutzingiana	145.4	136.7	136.7	219.8	109.8	26.2	0.0	80.1
Cyclotella meneghiniana	557.2	1211.3	1211.3	1418.5	1764.7	1233.1	134.4	640.9
Cyclotella stelligera	0.0	39.1	39.1	0.0	109.8	52.5	64.2	0.0
Melosira arenaria	96.9	136.7	136.7	99.9	137.3	262.4	224.6	40.0
Melosira granulata	0.0	19.6	19.6	20.0	0.0	0.0	64.2	0.0
Melosira islandica	96.9	0.0	0.0	20.0	82.4	26.2	32.1	80.1
Melosira sp.	0.0	0.0	0.0	0.0	27.5	0.0	0.0	0.0
Melosira varians	0.0	214.9	214.9	40.0	82.4	78.7	0.0	0.0
Stephanodiscus astraea	750.9	39.1	39.1	20.0	137.3	209.9	738.1	801.2
Stephanodiscus niagarae	314.9	0.0	0.0	0.0	27.5	262.4	256.7	881.3
Stephanodiscus sp.	145.4	19.6	19.6	0.0	82.4	183.7	481.4	881.3
Achnanthes clevei	6.2	0.0	0.0	0.0	0.0	20.4	0.0	15.6
Achnanthes lanceolata	24.9	8.1	8.1	28.9	37.0	20.4	6.3	15.6
Achnanthes minutissima	6.2	48.5	48.5	9.7	27.8	30.6	25.0	23.3
Achnanthes sp.	24.9	32.3	32.3	28.9	37.0	10.2	43.8	38.9
Amphora ovalis	0.0	0.0	0.0	9.7	0.0	0.0	0.0	7.8
Amphora ovalis var. pediculus	18.7	16.2	16.2	9.7	18.5	40.8	18.8	15.6
Asterionella formosa	18.7	8.1	8.1	0.0	0.0	10.2	31.3	101.1
Cocconeis disculus	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.8
Cocconeis placentula	18.7	8.1	8.1	19.3	46.3	20.4	12.5	7.8
Cymatopleura solea	0.0	8.1	8.1	9.7	0.0	0.0	0.0	7.8
Cymbella affinis	0.0	0.0	0.0	0.0	0.0	0.0	6.3	0.0
Cymbella sinuata	0.0	0.0	0.0	0.0	18.5	0.0	0.0	0.0
Cymbella spp.	6.2	0.0	0.0	0.0	0.0	0.0	0.0	7.8
Cymbella ventricosa	0.0	0.0	0.0	9.7	0.0	10.2	0.0	7.8
Diatoma elongatum	6.2	0.0	0.0	0.0	0.0	0.0	0.0	7.8
Diatoma vulgare	12.4	0.0	0.0	0.0	0.0	0.0	12.5	0.0
Diploneis sp.	6.2	0.0	0.0	0.0	0.0	10.2	0.0	0.0
Fragilaria crotonensis	18.7	0.0	0.0	0.0	18.5	0.0	12.5	23.3
Fragilaria spp.	18.7	16.2	16.2	19.3	0.0	20.4	43.8	54.4
Gomphonema olivaceum	31.1	56.6	56.6	38.6	37.0	40.8	25.0	38.9
Gomphonema parvulum	12.4	32.3	32.3	28.9	27.8	40.8	12.5	15.6

(continued)

TABLE A-19 (continued)

11/10/72 Afternoon

Species Density

Station Means

Name	17	9	18	12	8	14	15	16
Bacillariophyceae								
Gyrosigma spencerii	0.0	16.2	16.2	19.3	9.3	10.2	0.0	0.0
Meridon circulare	0.0	0.0	0.0	0.0	0.0	20.4	0.0	0.0
Navicula anglica	0.0	0.0	0.0	0.0	0.0	10.2	0.0	0.0
Navicula canalis	0.0	56.6	56.6	9.7	129.6	51.0	0.0	23.3
Navicula cryptocephala	24.9	64.6	64.6	115.8	74.1	153.0	68.8	23.3
Navicula decussis	0.0	0.0	0.0	0.0	0.0	10.2	0.0	0.0
Navicula exigua	0.0	0.0	0.0	0.0	18.5	0.0	0.0	0.0
Navicula hungarica	12.4	16.2	16.2	0.0	18.5	30.6	6.3	7.8
Navicula integra	0.0	0.0	0.0	0.0	18.5	0.0	0.0	0.0
Navicula krasskei	6.2	8.1	8.1	19.3	18.5	30.6	6.3	0.0
Navicula minima	0.0	0.0	0.0	9.7	0.0	0.0	12.5	0.0
Navicula mutica	0.0	0.0	0.0	9.7	0.0	0.0	0.0	0.0
Navicula perigrina	0.0	0.0	0.0	0.0	9.3	0.0	0.0	0.0
Navicula pygmaea	6.2	0.0	0.0	0.0	0.0	0.0	12.5	0.0
Navicula rhynchocephala	56.0	72.7	72.7	96.5	83.3	81.6	6.3	38.9
Navicula scutelloides	6.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Navicula sp.	6.2	0.0	0.0	28.9	0.0	0.0	25.0	23.3
Navicula tripunctata	12.4	16.2	16.2	0.0	18.5	20.4	6.3	0.0
Navicula viridula	0.0	16.2	16.2	9.7	0.0	0.0	12.5	0.0
Navicula pupula	0.0	0.0	0.0	0.0	0.0	0.0	12.5	7.8
Nitzschia acicularis	18.7	8.1	8.1	0.0	27.8	10.2	0.0	38.9
Nitzschia amphibia	68.4	24.2	24.2	96.5	0.0	153.0	25.0	15.6
Nitzschia dissipata	31.1	16.2	16.2	67.5	0.0	10.2	18.8	23.3
Nitzschia filiformis	0.0	16.2	16.2	19.3	0.0	0.0	6.3	7.8
Nitzschia gracilis	43.5	0.0	0.0	9.7	0.0	0.0	0.0	0.0
Nitzschia palea	6.2	48.5	48.5	0.0	27.8	20.4	6.3	0.0
Nitzschia tryblionella victori	0.0	0.0	0.0	9.7	0.0	0.0	0.0	0.0
Nitzschia sp. 1	0.0	0.0	0.0	0.0	92.6	0.0	0.0	93.3
Nitzschia spp.	12.4	80.8	80.8	154.4	0.0	102.0	93.8	0.0
Opephora martyi	0.0	0.0	0.0	0.0	0.0	0.0	25.0	23.3
Rhoicosphenia curvata	0.0	0.0	0.0	0.0	18.5	10.2	12.5	0.0
Surirella angustata	12.4	8.1	8.1	0.0	0.0	0.0	0.0	0.0
Surirella ovata	12.4	56.6	56.6	28.9	9.3	0.0	6.3	7.8

(continued)

TABLE A-19 (continued)

11/10/72 Afternoon

Species Density

Station Means

Name	17	9	18	12	8	14	15	16
Bacillariophyceae								
Surirella robusta v. spendida	6.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Surirella sp.	0.0	0.0	0.0	0.0	0.0	0.0	6.3	0.0
Synedra actinastroides	0.0	0.0	0.0	0.0	18.5	0.0	0.0	7.8
Synedra parasitica	6.2	8.1	8.1	9.7	0.0	0.0	0.0	7.8
Synedra ulna	37.3	24.2	24.2	38.6	18.5	30.6	12.5	15.6
Synedra vaucheriae	6.2	32.3	32.3	19.3	37.0	0.0	12.5	0.0
Tabellaria fenestrata	6.2	0.0	0.0	0.0	0.0	0.0	0.0	15.6
Euglenophyceae								
Euglena gracilis	7.4	0.0	0.0	0.0	0.0	7.4	0.0	0.0
Euglena minuta	7.4	0.0	0.0	0.0	0.0	14.8	0.0	0.0
Trachelomonas sp.	0.0	0.0	0.0	0.0	0.0	7.4	0.0	25.5
Trachelomonas volvocina	0.0	0.0	0.0	0.0	7.4	0.0	0.0	0.0
Cryptophyceae								
Cryptomonas ovata	7.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1/24/73 Afternoon								
Cyanophyceae								
Anacystis dispersus	0.0	0.0	0.0	0.0	0.0	0.0	6.2	0.0
Aphanizomenon flos-aquae	0.0	1.8	1.3	0.0	0.0	0.0	0.0	0.0
Aphanizomenon gracile	0.0	0.0	0.0	1.8	0.0	0.0	0.0	0.0
Coccochloris stagina	0.0	0.0	0.0	1.8	0.0	0.0	0.0	0.0
Unk Bl-Gr cell-chroococcales	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Unk Bl-Gr colony-chroococcales	0.0	0.0	0.0	3.7	0.0	0.0	12.4	48.2
Chlorophyceae								
Chlamydomonas sp. 1	16.5	12.8	13.9	6.1	12.0	24.5	0.0	0.0
Chlamydomonas sp. 2	6.1	9.8	8,7	6.1	0.0	0.0	0.0	0.0
Chlamydomonas spp.	3.7	3.7	3.7	4.3	0.0	0.0	6.2	0.0

(continued)

TABLE A-19 (continued)

1/24/73 Afternoon

Species Density

Station Means

Name	17	9	18	12	8	14	15	16
Chlorophyceae								
Chlorella ellipsoidea	0.0	3.7	2.6	3.7	1.6	1.8	0.0	0.0
Chlorella variegatus	1.8	14.1	10.4	1.8	1.6	7.1	0.0	0.0
Chlorella vulgaris	13.9	5.5	8.1	8.0	6.8	5.3	6.2	20.9
Crucigenia quadrata	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.7
Kirchneriella obesa	0.0	0.0	0.0	0.0	0.0	5.3	0.0	0.0
Kirchneriella obesa var. major	0.0	1.8	1.3	0.0	0.0	0.0	0.0	0.0
Nephrocytium agardhianum	1.8	1.8	1.8	0.0	0.0	0.0	0.0	0.0
Oocystis parva	0.0	3.7	2.6	1.8	0.0	0.0	0.0	0.0
Oocystis pusilla	0.0	14.1	9.8	14.1	12.0	15.9	32.9	20.9
Scenedesmus acutiformis	0.0	1.8	1.3	0.0	0.0	0.0	0.0	0.0
Scenedesmus anomalus	0.0	0.0	0.0	0.0	1.6	0.0	0.0	0.0
Scenedesmus bijuga	1.8	0.0	.6	0.0	0.0	0.0	0.0	0.0
Scenedesmus sp.	0.0	0.0	0.0	0.0	3.7	0.0	0.0	0.0
Selenastrum minutum	0.0	0.0	0.0	0.0	0.0	1.8	0.0	0.0
Sphaerocystis schroeteri	9.6	0.0	2.9	0.0	0.0	0.0	0.0	0.0
Tetrastrum glabrum	1.8	0.0	.6	0.0	0.0	0.0	0.0	0.0
Unknown green cell 1	3.7	6.1	5.4	4.3	6.2	11.4	6.2	12.3
Unknown green colony 1	0.0	0.0	0.0	1.8	0.0	0.0	0.0	0.0
Unknown green-distorted	1.8	3.7	3.1	3.7	5.2	1.8	0.0	0.0
Ulothrix subtillissima	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.3
Bacillariophyceae								
Coscinodiscus radiatus	128.9	0.0	38.9	7.6	0.0	10.2	147.0	314.3
Cyclotella bodanica	37.9	0.0	11.4	0.0	0.0	0.0	0.0	0.0
Cyclotella glomerata	60.7	133.1	111.2	143.7	171.4	460.7	310.4	137.5
Cyclotella kutzingiana	0.0	21.0	14.7	22.7	10.5	20.5	32.7	58.9
Cyclotella meneghiniana	257.8	115.6	158.5	71.9	70.0	225.2	457.4	294.7
Cyclotella ocellata	0.0	0.0	0.0	0.0	0.0	10.2	0.0	0.0
Cyclotella stelligera	0.0	0.0	0.0	0.0	0.0	0.0	81.7	58.9
Cyclotella sp.	68.3	17.5	32.8	18.9	14.0	20.5	65.4	58.9
Melosira ambigua	7.6	7.0	7.2	26.5	28.0	30.7	114.3	58.9

(continued)

TABLE A-19 (continued)

1/24/73 Afternoon

Species Density

Station Means

Name	17	9	18	12	8	14	15	16
Bacillariophyceae								
Melosira arenaria	83.4	35.0	49.7	49.1	35.0	215.0	98.0	216.1
Melosira granulata	0.0	0.0	0.0	3.8	0.0	0.0	0.0	0.0
Melosira islandica	7.6	0.0	2.3	0.0	0.0	0.0	0.0	0.0
Melosira varians	30.3	17.5	21.4	34.0	14.0	0.0	130.7	98.2
Rhizolenia eriensis	1.8	0.0	.6	0.0	0.0	0.0	26.8	8.3
Stephanodiscus astraea	37.9	3.5	13.9	3.8	0.0	10.2	130.7	314.3
Stephanodiscus niagarae	37.9	0.0	11.4	0.0	0.0	20.5	32.7	39.3
Stephanodiscus sp.	0.0	0.0	0.0	0.0	0.0	0.0	65.4	314.3
Achnanthes clevei	0.0	0.0	0.0	6.0	0.0	0.0	8.4	0.0
Achnanthes flexella	0.0	0.0	0.0	0.0	0.0	9.1	0.0	0.0
Achnanthes lanceolata	13.5	62.3	47.6	18.0	10.4	36.5	50.5	56.9
Amphora ovalis	0.0	0.0	0.0	0.0	5.2	0.0	0.0	0.0
Amphora ovalis var. pediculus	13.5	5.7	8.0	24.0	0.0	18.3	50.5	19.0
Asterionella formosa	33.7	0.0	10.2	6.0	0.0	0.0	25.3	44.3
Cocconeis diminuta	0.0	11.3	7.9	0.0	5.2	18.3	50.5	25.3
Cocconeis disculus	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.3
Cocconeis placentula	13.5	5.7	8.0	30.0	20.8	9.1	16.8	6.3
Cymatopleura solea	6.7	0.0	2.1	6.0	0.0	0.0	0.0	0.0
Cymbella affinis	0.0	0.0	0.0	6.0	5.2	0.0	0.0	0.0
Cymbella prostrata	6.7	0.0	2.1	0.0	0.0	0.0	0.0	0.0
Cymbella spp.	0.0	0.0	0.0	0.0	0.0	0.0	16.8	0.0
Cymbella ventricosa	13.5	5.7	8.0	6.0	0.0	9.1	16.8	6.3
Diatoma sp.	13.5	17.0	15.9	0.0	0.0	0.0	0.0	0.0
Diatoma vulgare	0.0	0.0	0.0	0.0	0.0	9.1	0.0	0.0
Eucocconeis sp.	0.0	0.0	0.	6.0	0.0	0.0	0.0	0.0
Fragilaria brevistrata	0.0	0.0	0.0	0.0	0.0	18.3	0.0	0.0
Fragilaria crotonensis	20.2	0.0	6.1	0.0	0.0	0.0	58.9	88.5
Fragilaria spp.	0.0	0.0	0.0	12.0	0.0	0.0	42.1	6.3
Gomphonema angustatum	0.0	34.0	23.7	42.0	36.5	0.0	0.0	12.6
Gomphonema olivaceum	87.5	56.6	66.0	60.0	41.7	36.5	25.3	12.6
Gomphonema parvulum	33.7	0.0	10.2	30.0	0.0	64.0	50.5	0.0

(continued)

TABLE A-19 (continued)

1/24/73 Afternoon

Species Density

Station Means

Name	17	9	18	12	8	14	15	16
Bacillariophyceae								
Gyrosigma spencerii	0.0	0.0	0.0	6.0	5.2	0.0	0.0	12.6
Meridon circulare	13.5	11.3	11.9	18.0	15.6	27.4	16.8	0.0
Navicula canalis	0.0	0.0	0.0	12.0	41.7	0.0	8.4	6.3
Navicula cincta	26.9	0.0	8.1	0.0	0.0	0.0	0.0	0.0
Navicula contenta	0.0	0.0	0.0	6.0	0.0	0.0	0.0	0.0
Navicula cryptocephala	20.2	67.9	53.5	42.0	26.1	73.1	25.3	56.9
Navicula cuspidata	6.7	0.0	2.1	6.0	0.0	0.0	0.0	0.0
Navicula exigua	6.7	5.7	6.0	0.0	0.0	9.1	0.0	0.0
Navicula gastrum	0.0	5.7	3.9	0.0	0.0	0.0	0.0	0.0
Navicula hungarica	13.5	0.0	4.1	12.0	20.8	45.7	8.4	12.6
Navicula krasskei	0.0	0.0	0.0	0.0	0.0	36.5	0.0	6.3
Navicula minima	0.0	0.0	0.0	0.0	0.0	0.0	8.4	0.0
Navicula mutica	0.0	0.0	0.0	0.0	0.0	45.7	16.8	0.0
Navicula pygmaea	0.0	5.7	3.9	0.0	0.0	0.0	0.0	0.0
Navicula radiosa	13.5	0.0	4.1	0.0	0.0	0.0	0.0	0.0
Navicula rhynchocephala	13.5	17.0	15.9	30.0	52.1	27.4	0.0	12.6
Navicula sp.	0.0	5.7	3.9	6.0	0.0	0.0	0.0	0.0
Navicula tripunctata	6.7	34.0	25.8	36.0	26.1	36.5	50.5	12.6
Navicula viridula	0.0	0.0	0.0	0.0	5.2	27.4	0.0	0.0
Navicula pupula	0.0	5.7	3.9	0.0	10.4	9.1	8.4	6.3
Nitzschia acicularis	0.0	11.3	7.9	0.0	0.0	18.3	16.8	12.6
Nitzschia amphibia	13.5	5.7	8.0	6.0	5.2	36.5	8.4	6.3
Nitzschia angustata	0.0	0.0	0.0	0.0	5.2	0.0	0.0	0.0
Nitzschia dissipata	6.7	17.0	13.9	30.0	20.8	27.4	16.8	0.0
Nitzschia filiformis	6.7	17.0	13.9	6.0	0.0	36.5	8.4	0.0
Nitzschia gracilis	80.8	34.0	48.1	48.0	57.4	100.5	50.5	31.6
Nitzschia holsatica	0.0	0.0	0.0	0.0	5.2	0.0	0.0	0.0
Nitzschia hungarica	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.3
Nitzschia lacunarum	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.3
Nitzschia palea	0.0	0.0	0.0	6.0	5.2	0.0	16.8	0.0
Nitzschia sigma	0.0	11.3	7.9	0.0	5.2	0.0	0.0	0.0
Nitzschia sp. 3	0.0	0.0	0.0	0.0	5.2	0.0	0.0	0.0

(continued)

TABLE A-19 (continued)

1/24/73	Species Density Station Means							
Name	17	9	18	12	8	14	15	16
Bacillariophyceae								
Opephora martyi	26.9	5.7	12.1	0.0	0.0	0.0	8.4	12.6
Pinnularia gibba	0.0	5.7	3.9	6.0	0.0	0.0	8.4	0.0
Rhoicosphenia curvata	20.2	22.6	21.9	12.0	5.2	36.5	0.0	0.0
Stauroneis anceps	6.7	0.0	2.1	0.0	0.0	0.0	0.0	0.0
Stauroneis smithii	0.0	0.0	0.0	0.0	0.0	0.0	8.4	0.0
Surirella angustata	6.7	5.7	6.0	0.0	0.0	0.0	0.0	19.0
Surirella ovata	20.2	17.0	17.9	6.0	26.1	9.1	8.4	6.3
Synedra acus	6.7	0.0	2.1	6.0	0.0	9.1	0.0	6.3
Synedra nana	0.0	0.0	0.0	0.0	0.0	9.1	8.4	0.0
Synedra parasitica	0.0	5.7	3.9	0.0	5.2	9.1	0.0	0.0
Synedra ulna	33.7	17.0	22.0	36.0	26.1	9.1	33.7	25.3
Synedra vaucheriae	20.2	11.3	14.0	12.0	20.8	82.2	33.7	0.0
Tabellaria fenestrata	26.9	0.0	8.1	0.0	0.0	0.0	84.2	88.5
Unknown pennate 1 (Wojcik)	0.0	11.3	7.9	0.0	0.0	0.0	0.0	0.0
Unknown pennate 2 (Wojcik)	20.2	0.0	6.1	0.0	0.0	0.0	0.0	0.0
Unknown pennate 3 (Wojcik)	0.0	11.3	0.0	0.0	0.0	0.0	0.0	0.0
Unknown pennate 4 (Wojcik)	0.0	0.0	0.0	0.0	0.0	0.0	8.4	0.0
Euglenophyceae								
Euglena gracilis	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.6
Trachelomonas sp.	0.0	0.0	0.0	0.0	1.6	0.0	6.2	0.0
Trachelomonas volvocina	0.0	1.8	1.3	0.0	0.0	0.0	0.0	0.0
4/5/73								
Cyanophyceae								
Anacystis dispersus	0.0	0.0	0.0	0.0	0.0	0.0	11.7	0.0
Anacystis marina	5.9	0.0	1.9	0.0	0.0	0.0	0.0	0.0
Anacystis minimus	0.0	0.0	0.0	0.0	4.1	0.0	0.0	0.0
Anacystis montana F. montana	0.0	0.0	0.0	5.9	0.0	0.0	0.0	0.0
Aphanizomenon flos-aquae	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.1
Aphanizomenon gracile	5.9	0.0	1.9	0.0	0.0	0.0	0.0	4.6
Coccochloris stagina	0.0	0.0	0.0	0.0	14.9	4.1	5.9	4.6

(continued)

TABLE A-19 (continued)

4/5/73 Afternoon	Species Density							
	Station Means							
Name	17	9	18	12	8	14	15	16
Cyanophyceae								
Oscillatoria spp.	5.9	0.0	1.9	0.0	0.0	0.0	0.0	0.0
Unk Bl-Gr cell-chroococcales	13.7	46.9	36.4	33.7	29.0	21.7	52.8	124.0
Unk Bl-Gr colony-chroococcales	0.0	0.0	0.0	0.0	0.0	4.1	5.9	4.1
Unk Bl-Gr cell(s)-distorted	0.0	0.0	0.0	0.0	0.0	0.0	5.9	0.0
Chlorophyceae								
Ankistrodesmus convolutus	0.0	5.9	4.0	0.0	4.6	0.0	0.0	0.0
Ankistrodesmus falcatus	5.9	0.0	1.9	11.7	12.7	0.0	5.9	19.5
Chlamydomonas sp. 1	11.7	11.7	11.7	18.3	5.9	8.1	5.9	16.7
Chlamydomonas sp. 2	0.0	17.6	12.0	10.5	0.0	4.1	5.9	9.9
Chlamydomonas spp.	9.9	11.7	11.1	24.2	0.0	4.1	0.0	0.0
Chlamydomonas sp. 3	0.0	11.7	8.0	0.0	0.0	0.0	0.0	39.8
Chlorella ellipsoidea	9.9	3.1	0.0	0.0	0.0	0.0	0.0	0.0
Chlorella variegatus	0.0	19.5	13.3	19.5	4.1	19.0	17.6	5.9
Chlorella vulgaris	35.3	58.6	51.2	36.6	31.9	23.1	44.9	14.5
Crucigenia irregularis	0.0	0.0	0.0	0.0	0.0	4.1	0.0	0.0
Crucigenia quadrata	5.9	25.4	19.2	0.0	18.2	4.1	13.7	0.0
Distyosphaerium pulchellum	5.9	11.7	9.9	5.9	20.0	4.1	5.9	17.7
Kirchneriella contorta	0.0	0.0	0.0	0.0	0.0	4.1	0.0	5.9
Nephrocytium agardhianum	0.0	0.0	0.0	5.9	0.0	0.0	0.0	0.0
Oocystis eremosphaeria	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.6
Oocystis parva	0.0	0.0	0.0	5.9	0.0	0.0	0.0	0.0
Oocystis pusilla	17.6	52.7	41.6	37.8	4.6	25.7	5.9	8.7
Pandorina morum	0.0	0.0	0.0	13.7	0.0	0.0	0.0	0.0
Pediastrum duplex gracillimum	0.0	0.0	0.0	0.0	0.0	4.1	0.0	0.0
Planktosphaeria gelatinosa	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.6
Polyedriopsis spinulosa	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.1
Scenedesmus abundans brevicaud	0.0	0.0	0.0	0.0	4.6	0.0	0.0	0.0
Scenedesmus anomalus	0.0	0.0	0.0	0.0	0.0	8.1	0.0	0.0
Scenedesmus dimorphus	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.9
Scenedesmus opliensis	0.0	0.0	0.0	0.0	0.0	0.0	5.9	0.0
Scenedesmus quadricauda	5.9	0.0	1.9	0.0	0.0	4.1	0.0	4.1

(continued)

TABLE A-19 (continued)

4/5/73 Afternoon

Species Density

Station Means

Name	17	9	18	12	8	14	15	16
Chlorophyceae								
Scenedesmus quad. v. alternans	0.0	0.0	0.0	0.0	0.0	4.1	0.0	0.0
Scenedesmus quad. v longispina	4.1	5.9	5.3	0.0	0.0	4.1	0.0	0.0
Scenedesmus quad. var. parvus	0.0	0.0	0.0	0.0	9.9	8.1	5.9	0.0
Scenedesmus sp.	0.0	0.0	0.0	0.0	0.0	0.0	5.9	0.0
Selenastrum minutum	0.0	0.0	0.0	4.6	0.0	0.0	0.0	0.0
Tetraedron caudatum	0.0	5.9	4.0	0.0	0.0	0.0	0.0	0.0
Tetrastrum glabrum	0.0	31.3	21.3	33.7	18.9	4.1	19.5	14.9
Unknown green cell 1	5.9	72.3	51.2	15.1	26.3	23.1	5.9	10.5
Unknown green colony 1	0.0	5.9	4.0	0.0	0.0	0.0	0.0	0.0
Unknown green-distorted	19.5	5.9	10.2	18.3	9.9	13.6	5.9	10.5
Westella botryoides	0.0	44.9	30.7	11.7	4.1	8.1	11.7	4.1
Westella botryoides var. major	5.9	0.0	1.9	0.0	0.0	0.0	0.0	0.0
Ulothrix subtillissima	0.0	0.0	0.0	0.0	4.5	4.1	0.0	10.5
Coscinodiscus radiatus	168.9	0.0	53.5	0.0	38.0	20.0	18.3	29.1
Cyclotella comta	33.8	0.0	10.7	0.0	0.0	0.0	0.0	0.0
Cyclotella glomerata	135.1	247.5	211.8	143.8	126.8	130.3	201.3	116.4
Cyclotella meneghiniana	185.8	725.7	553.8	467.4	570.7	260.6	549.0	334.6
Cyclotella ocellata	16.9	0.0	5.4	0.0	0.0	0.0	0.0	0.0
Cyclotella stelligera	270.3	70.7	134.0	107.9	101.4	70.2	164.7	160.0
Cyclotella sp.	0.0	0.0	0.0	0.0	0.0	10.0	0.0	0.0
Melosira ambigua	219.6	106.1	142.0	36.0	12.7	20.0	54.9	101.8
Melosira arenaria	33.8	406.5	288.4	263.7	317.1	300.7	292.8	160.0
Melosira granulata	0.0	0.0	0.0	0.0	0.0	10.0	18.3	45.7
Melosira islandica	0.0	0.0	0.0	0.0	0.0	0.0	0.0	72.7
Melosira varians	0.0	0.0	0.0	12.0	12.7	10.0	0.0	0.0
Rhizolenia eriensis	9.9	0.0	3.1	0.0	0.0	20.0	5.9	5.9
Stephanodiscus astraea	456.0	17.7	156.6	83.9	12.7	10.0	91.5	203.7
Stephanodiscus niagarae	101.3	0.0	32.1	12.0	0.0	0.0	0.0	29.1
Stephanodiscus sp.	50.7	194.4	148.9	83.9	76.1	140.3	457.5	232.8
Stephanodiscus tenuis	16.9	0.0	5.4	0.0	0.0	0.0	0.0	0.0
Achnanthes clevei	0.0	0.0	0.0	9.8	0.0	0.0	16.8	0.0

(continued)

TABLE A-19 (continued)

4/5/73 Afternoon

Species Density

Station Means

Name	17	9	18	12	8	14	15	16
Bacillariophyceae								
Achnanthes lanceolata	26.1	27.1	26.8	29.3	18.3	45.3	8.4	18.0
Amphora ovalis var. pediculus	10.4	18.1	15.7	29.3	18.3	9.1	33.5	42.0
Asterionella formosa	31.3	235.1	170.5	117.3	192.1	153.8	67.0	72.0
Cocconeis diminuta	0.0	0.0	0.0	0.0	9.2	0.0	0.0	0.0
Cocconeis placentula	0.0	0.0	0.0	9.8	9.2	9.1	8.4	0.0
Cymatopleura solea	5.2	0.0	1.7	0.0	0.0	9.1	0.0	6.0
Cymbella affinis	5.2	0.0	1.7	0.0	0.0	18.1	0.0	0.0
Cymbella microcephala	0.0	0.0	0.0	0.0	0.0	0.0	16.8	0.0
Cymbella spp.	5.2	0.0	1.7	0.0	0.0	0.0	0.0	0.0
Cymbella ventricosa	0.0	9.0	6.2	0.0	0.0	0.0	8.4	0.0
Diatoma hiemale	0.0	0.0	0.0	0.0	0.0	0.0	8.4	0.0
Diatoma sp.	5.2	9.0	7.8	19.5	0.0	9.1	0.0	0.0
Diploneis oblongella	0.0	0.0	0.0	0.0	0.0	0.0	8.4	0.0
Fragilaria crotonensis	36.6	9.0	17.8	9.8	9.2	0.0	0.0	12.0
Fragilaria leptostauron	5.2	0.0	1.7	0.0	0.0	0.0	0.0	0.0
Fragilaria spp.	41.7	0.0	13.2	0.0	9.2	18.1	16.8	12.0
Gomphonema angustatum	0.0	0.0	0.0	9.8	18.3	0.0	0.0	0.0
Gomphonema olivaceum	10.4	90.4	65.1	68.4	9.2	90.5	25.1	36.0
Gomphonema parvulum	10.4	27.1	21.8	29.3	0.0	18.1	16.8	6.0
Gyrosigma acuminatum	0.0	0.0	0.0	0.0	9.2	0.0	0.0	0.0
Gyrosigma spencerii	0.0	9.0	6.2	9.8	9.2	9.1	0.0	0.0
Hanitzschia amphioxys	0.0	0.0	0.0	0.0	0.0	0.0	8.4	0.0
Meridon circulare	10.4	9.0	9.5	0.0	0.0	9.1	0.0	6.0
Navicula canalis	20.9	9.0	12.8	19.5	18.3	36.2	41.9	48.0
Navicula cryptocephala	83.5	108.5	100.6	78.2	91.5	72.4	83.8	54.0
Navicula hungarica	5.2	9.0	7.8	0.0	0.0	0.0	8.4	0.0
Navicula krasskei	10.4	18.1	15.7	9.8	18.3	27.2	50.3	36.0
Navicula menisculus	0.0	0.0	0.0	0.0	0.0	9.1	16.8	0.0
Navicula mutica	5.2	9.0	7.8	0.0	0.0	0.0	8.4	0.0
Navicula placentula	0.0	0.0	0.0	0.0	18.3	0.0	0.0	0.0
Navicula pygmaea	5.2	0.0	1.7	0.0	0.0	0.0	0.0	0.0
Navicula radiosa	0.0	0.0	0.0	0.0	0.0	9.1	0.0	0.0

(continued)

TABLE A-19 (continued)

4/5/73 Afternoon

Species Density

Station Means

Name	17	9	18	12	8	14	15	16
Bacillariophyceae								
Navicula rhynchocephala	0.0	9.0	6.2	48.9	9.2	9.1	25.1	24.0
Navicula tripunctata	0.0	9.0	6.2	9.8	9.2	27.2	25.1	12.0
Navicula viridula	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.0
Navicula pupula	0.0	0.0	0.0	0.0	9.2	0.0	0.0	6.0
Nitzschia acicularis	0.0	135.6	92.6	224.8	91.5	81.4	83.8	30.0
Nitzschia amphibia	5.2	0.0	1.7	9.8	9.2	0.0	0.0	6.0
Nitzschia dissipata	10.4	18.1	15.7	48.9	64.1	18.1	0.0	12.0
Nitzschia filiformis	5.2	0.0	1.7	9.8	0.0	18.1	0.0	0.0
Nitzschia gracilis	52.2	81.4	72.1	68.4	82.3	63.3	142.5	66.0
Nitzschia palea	5.2	0.0	1.7	19.5	9.2	36.2	8.4	0.0
Nitzschia sigma	0.0	0.0	0.0	0.0	9.2	0.0	0.0	0.0
Nitzschia sp. 1	0.0	0.0	0.0	0.0	9.2	0.0	0.0	0.0
Nitzschia spp.	0.0	0.0	0.0	0.0	0.0	9.1	0.0	6.0
Opephora martyi	10.4	0.0	3.3	0.0	0.0	0.0	8.4	12.0
Rhoicosphenia curvata	0.0	0.0	0.0	9.8	0.0	0.0	0.0	0.0
Surirella angustata	0.0	0.0	0.0	9.8	9.2	9.1	33.5	0.0
Surirella ovata	15.6	36.2	29.7	29.3	64.1	27.2	25.1	12.0
Synedra actinastroides	0.0	0.0	0.0	0.0	9.2	9.1	0.0	0.0
Synedra acus	0.0	9.0	6.2	0.0	0.0	9.1	8.4	0.0
Synedra nana	0.0	0.0	0.0	0.0	27.5	0.0	0.0	0.0
Synedra parasitica	0.0	9.0	6.2	0.0	0.0	0.0	0.0	0.0
Synedra ulna	5.2	0.0	1.7	9.8	0.0	18.1	8.4	6.0
Synedra vaucheriae	10.4	36.2	28.0	19.5	45.8	18.1	25.1	24.0
Tabellaria fenestrata	73.0	0.0	23.2	29.3	0.0	9.1	16.8	30.0
Euglenophyceae								
Euglena gracilis	5.9	17.6	13.9	0.0	4.1	4.1	0.0	8.7
Euglena sp.	0.0	11.7	8.0	0.0	0.0	0.0	0.0	0.0
Trachelomonas hispidata	0.0	5.9	4.0	0.0	0.0	0.0	0.0	0.0
Trachelomonas sp.	9.5	0.0	3.0	0.0	0.0	4.1	0.0	0.0
Trachelomonas volvocina	50.9	478.5	343.0	331.3	438.5	326.9	312.5	191.2

(continued)

TABLE A-19 (continued)

4/5/73 Afternoon	Species Density Station Means							
Name	17	9	18	12	8	14	15	16
Cryptophyceae								
Cryptomonas ovata	9.9	0.0	3.1	0.0	0.0	0.0	0.0	0.0
6/12/73 Afternoon								
Cyanophyceae								
Agmenellum quadruplicatum	0.0	0.0	0-0	16.3	0.0	0.0	21.7	0.0
Anacystis cyanea	9.2	19.5	12.5	0.0	21.7	0.0	0.0	0.0
Anacystis cispersus	0.0	16.3	5.2	0.0	0.0	43.4	0.0	0.0
Anacystis incerta	34.6	35.8	35.0	0.0	0.0	0.0	21.7	0.0
Anacystis marina	46.8	38.0	44.0	0.0	21.7	65.1	21.7	17.1
Anacystis minimus	0.0	19.5	6.2	9.2	72.3	21.7	43.4	12.6
Anacystis montana f. montana	0.0	0.0	0.0	0.0	0.0	0.0	0.0	21.7
Aphanizomenon gracile	94.3	57.5	82.6	58,0	101.9	86.8	209.8	229.0
Coccochloris peniocystis	16.3	16.3	16.3	16.3	29.5	0.0	0.0	0.0
Coccochloris stagina	34.6	115.0	60.1	38.0	21.7	50.6	0.0	34.3
Gomphosphaeria lacustris	0.0	0.0	0.0	0.0	0.0	0.0	0.0	17.1
Oscillatoria spp.	34.6	0.0	23.6	16.3	0,0	0.0	123.0	21.7
Unk Bl-Gr cell-chroococcales	68.5	360.3	161.0	96.0	221.4	296.6	368.9	34.3
Unk Bl-Gr colony-chroococcales	56.0	73.8	61.6	16.3	65.1	43.4	94.0	0.0
Unk filament-nostocaceae	0.0	0.0	0.0	0.0	0.0	0.0	0.0	38.8
Chlorophyceae								
Actinastrum hantz. v fluvitile	9.2	0.0	6.3	58,0	18.2	43.4	144.7	34.3
Ankistrodesmus falcatus	0.0	19.5	6.2	0.0	61.6	43.4	21.7	0.0
Binuclearia eriensis	21.4	0.0	14.6	0.0	0.0	0.0	0.0	0.0
Characium limneticum	0.0	0.0	0.0	16.3	0.0	0.0	0.0	0.0
Chlamydomonas sp. 1	9.2	16.3	11.4	0.0	0.0	21.7	0.0	0.0
Chlamydomonas spp.	0.0	19.5	6.2	0.0	0.0	0.0	21.7	17.1
Chlamydomonas sp. 3	9.2	54.3	23.5	25.4	0.0	0.0	50.6	43.4
Chlorella ellipsoidea	0.0	19.5	6.2	0.0	0.0	0.0	0.0	0.0
Chlorella variegatus	61.0	130.2	83.0	86.8	43.4	115.7	43.4	12.6
Chlorella vulgaris	48.8	193.2	94.6	156.7	196.5	0.0	94.0	46.5

(continued)

TABLE A-19 (continued)

6/12/73 Afternoon

Species Density

Station Means

Name	17	9	18	12	8	14	15	16
Chlorophyceae								
Closteririopsis longissima	0.0	0.0	0.0	0.0	0.0	0.0	21.7	72.3
Coelastrum microporum	0.0	0.0	0.0	38.0	51.2	43.4	0.0	0.0
Crucigenia lauterbornet	16.3	0.0	11.1	0.0	7.8	0.0	0.0	0.0
Crucigenia quadrata	9.2	52.1	22.8	16.3	0.0	115.7	0.0	0.0
Crucigenia tetrapedia	0.0	169.3	53.7	25.4	130.8	65.1	21.7	0.0
Dictyosphaerium pulchellum	73.2	38.0	62.1	79.7	112.3	43.4	173.6	46.9
Elaktothrix gelatinosa	0.0	16.3	5.2	0.0	0.0	43.4	0.0	0.0
Elaktothrix viridis	0.0	0.0	0.0	0.0	21.7	21.7	21.7	0.0
Golenkinia radiata	0.0	16.3	5.2	0.0	0.0	0.0	0.0	0.0
Kirchneriella contorta	0.0	0.0	0.0	16.3	0.0	0.0	0.0	0.0
Kirchneriella lunaris	0.0	0.0	0.0	16.3	0.0	0.0	0.0	0.0
Kirchneriella lunaris v dianae	0.0	0.0	0.0	0.0	0.0	0.0	0.0	17.1
Kirchneriella obesa	0.0	0.0	0.0	0.0	0.0	0.0	0.0	21.7
Kirchneriella subsolitaria	0.0	0.0	0.0	0.0	0.0	21.7	0.0	0.0
Lagerheimia genevensis subglob	0.0	0.0	0.0	16.3	21.7	0.0	0.0	40.0
Lagerheimia quadriseta	0.0	0.0	0.0	0.0	0.0	0.0	43.4	17.1
Lagerheimia subsalsa	0.0	0.0	0.0	0.0	0.0	21.7	0.0	0.0
Lagerheimia wratislawiensis	9.2	0.0	6.3	0.0	0.0	0.0	0.0	0.0
Micractinium pusillum	0.0	0.0	0.0	0.0	0.0	21.7	0.0	29.7
Mougeotia elegantula	115.6	54.3	96.2	91.9	243.1	123.0	267.7	209.5
Nephrocytium agardhianum	18.3	0.0	12.5	16.3	0.0	50.6	0.0	0.0
Nephrocytium lunatum	9.2	0.0	6.3	0.0	0.0	0.0	0.0	0.0
Oocystis borgei	0.0	19.5	6.2	0.0	0.0	0.0	0.0	12.6
Oocystis crassa	0.0	0.0	0.0	0.0	0.0	0.0	21.7	0.0
Oocystis parva	18.3	0.0	12.5	16.3	43.4	21.7	0.0	0.0
Oocystis pusilla	25.4	137.8	61.1	0.0	21.7	72.3	43.4	17.1
Oocystis solitaria	0.0	0.0	0.0	32.6	0.0	0.0	0.0	0.0
Pediastrum duplex	0.0	16.3	5.2	16.3	0.0	0.0	0.0	0.0
Planktosphaeria gelatinosa	47.1	16.3	37.4	25.4	43.4	21.7	21.7	0.0
Polyedriopsis spinulosa	0.0	0.0	0.0	9.2	0.0	0.0	0.0	0.0

(continued)

TABLE A-19 (continued)

6/12/73 Afternoon	Species Density							
	Station Means							
Name	17	9	18	12	8	14	15	16
Chlorophyceae								
Quadrigula lacustris	0.0	0.0	0.0	0.0	0.0	0.0	21.7	0.0
Scenedesmus abundans brevicaud	16.3	0.0	0.0	11.1	0.0	0.0	0.0	0.0
Scenedesmus bernardii	0.0	0.0	0.0	16.3	0.0	0.0	0.0	0.0
Scenedesmus bijuga	9.2	0.0	6.3	38.0	0.0	0.0	21.7	0.0
Scenedesmus bijuga v alternans	0.0	19.5	6.2	0.0	0.0	0.0	0.0	0.0
Scenedesmus brasiliensis	0.0	16.3	5.2	0.0	0.0	0.0	0.0	0.0
Scenedesmus dimorphus	18.3	19.5	18.7	9.2	51.2	166.4	65.1	56.0
Scenedesmus hystrix	0.0	0.0	0.0	0.0	0.0	21.7	0.0	0.0
Scenedesmus longus	9.2	0.0	6.3	0.0	0.0	0.0	0.0	0.0
Scenedesmus opliensis	0.0	0.0	0.0	0.0	7.8	0.0	0.0	0.0
Scenedesmus quadricauda	51.9	19.5	41.6	41.7	120.1	123.0	0.0	56.0
Scenedesmus quad. v. alternans	0.0	0.0	0.0	0.0	21.7	21.7	0.0	0.0
Scenedesmus quad. v longispina	91.6	148.7	109.6	133.6	80.2	173.6	144.7	61.7
Scenedesmus quad. var. parvus	0.0	0.0	0.0	0.0	0.0	72.3	65.1	34.3
Scenedesmus quad. quadrispina	9.2	19.5	12.5	16.3	21.7	0.0	0.0	17.1
Scenedesmus sp.	0.0	0.0	0.0	0.0	0.0	0.0	21.7	0.0
Schroederia setigera	0.0	0.0	0.0	0.0	0.0	0.0	21.7	0.0
Selenastrum bibraianum gracile	0.0	0.0	0.0	0.0	0.0	21.7	0.0	0.0
Selenastrum westii	0.0	0.0	0.0	0.0	0.0	0.0	21.7	21.7
Sphaerocystis schroeteri	0.0	19.5	6.2	25.4	0.0	0.0	21.7	17.1
Tetraedron minimum	9.2	0.0	6.3	0.0	0.0	0.0	0.0	0.0
Tetraedron nuticum	0.0	0.0	0.0	16.3	0.0	0.0	0.0	0.0
Tetrastrum glabrum	0.0	19.5	6.2	16.3	43.4	0.0	21.7	0.0
Tetrastrum heteracanthum	9.2	0.0	6.3	0.0	0.0	0.0	0.0	12.6
Tetrastrum staurogeniaeforme	0.0	0.0	0.0	0.0	18.2	21.7	0.0	0.0
Unknown green cell 1	73.2	54.3	67.2	16.3	79.9	94.0	195.3	141.7
Unknown green cell 2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	21.7
Unknown green cell cluster	0.0	16.3	5.2	0.0	0.0	50.6	0.0	0.0
Unknown green colony 1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	17.1

(continued)

TABLE A-19 (continued)

6/12/73 Afternoon	Species Density							
	Station Means							
Name	17	9	18	12	8	14	15	16
Chlorophyceae								
Unknown green-distorted	16.3	52.1	27.6	9.2	101.9	195.3	94.0	119.2
Unknown green filament	0.0	0.0	0.0	0.0	21.7	0.0	0.0	0.0
Westella botryoides	9.2	19.5	12.5	16.3	47.7	21.7	72.3	34.3
Geminella minor	9.2	0.0	6.3	0.0	0.0	0.0	0.0	0.0
Ulothrix subtillissima	1291.2	327.7	985.8	660.2	967.0	607.6	2284.9	985.8
Bacillariophyceae								
Coscinodiscus radiatus	1011.7	421.3	824.6	820.7	722.1	756.8	1458.3	1823.2
Cyclotella antiqua	0.0	0.0	0.0	0.0	60.1	0.0	0.0	0.0
Cyclotella glomerata	0.0	0.0	0.0	0.0	0.0	0.0	69.5	0.0
Cyclotella kutzingiana	184.0	632.0	326.0	182.4	361.0	275.2	69.5	0.0
Cyclotella meneghiniana	1333.7	2317.4	1645.5	1048.7	1925.5	2476.6	1736.1	994.5
Cyclotella michiganiana	0.0	0.0	0.0	0.0	0.0	275.2	0.0	0.0
Cyclotella stelligera	0.0	351.1	111.3	0.0	0.0	206.4	138.9	0.0
Melosira ambigua	0.0	351.1	111.3	0.0	0.0	0.0	0.0	0.0
Melosira arenaria	0.0	0.0	0.0	45.6	180.5	0.0	0.0	0.0
Melosira binderana	0.0	0.0	0.0	0.0	0.0	68.8	0.0	0.0
Melosira granulata	367.9	702.3	473.9	547.1	300.8	412.8	347.2	442.0
Melosira italica	321.9	70.2	242.1	501.5	180.5	0.0	0.0	0.0
Melosira sp.	0.0	0.0	0.0	182.4	722.1	619.2	902.8	994.5
Melosira varians	92.0	0.0	62.8	45.6	60.1	206.4	0.0	0.0
Rhizolenia e.iensis	0.0	70.2	22.3	16.3	0.0	0.0	0.0	0.0
Stephanodiscus astraea	459.9	632.9	514.5	683.9	842.4	550.3	763.9	165.8
Stephanodiscus niagarae	92.0	70.2	85.1	0.0	180.5	0.0	0.0	0.0
Stephanodiscus sp.	689.8	983.2	782.8	410.4	481.4	1169.5	1388.9	994.5
Stephanodiscus tenuis	0.0	0.0	0.0	0.0	0.0	0.0	0.0	110.5
Unknown Centric Filament	138.0	491.6	250.1	182.4	0.0	0.0	69.5	0.0
Achnanthes clevei	0.0	0.0	0.0	0.0	0.0	58.7	0.0	6.8

(continued)

TABLE A-19 (continued)

6/12/73 Afternoon	Species Density							
	Station Means							
Name	17	9	18	12	8	14	15	16
Bacillariophyceae								
Achnanthes lanceolata	46.2	46.5	46.3	36.8	112.1	29.4	28.6	6.8
Achnanthes minutissima	15.4	23.2	17.9	12.3	0.0	0.0	0.0	13.7
Amphora ovalis	15.4	11.6	14.2	0.0	0.0	0.0	0.0	6.8
Amphora ovalis var. pediculus	15.4	23.2	17.9	36.8	44.8	29.4	0.0	17.9
Asterionella formosa	107.9	69.7	95.8	98.1	246.5	176.2	114.6	13.7
Caloneis sp.	0.0	0.0	0.0	0.0	0.0	29.4	0.0	0.0
Cocconeis pediculus	15.4	23.2	17.9	36.8	0.0	0.0	14.3	6.8
Cocconeis placentula	46.2	23.2	38.9	36.8	112.1	58.7	14.3	20.5
Cymatopleura solea	15.4	0.0	10.6	0.0	0.0	29.4	14.3	1.8
Cymbella spp.	15.4	0.0	10.6	0.0	0.0	0.0	0.0	0.0
Cymbella ventricosa	15.4	0.0	10.6	0.0	0.0	29.4	0.0	0.0
Diatoma elongatum	200.4	116.2	173.7	196.3	201.7	323.0	214.8	68.4
Diatoma vulgare	0.0	0.0	0.0	0.0	22.4	0.0	0.0	0.0
Fragilaria crotonensis	30.8	11.6	24.7	24.5	22.4	58.7	14.3	20.5
Fragilaria intermedia	0.0	0.0	0.0	0.0	0.0	29.4	0.0	0.0
Fragilaria spp.	262.1	69.7	201.2	159.5	246.5	293.7	286.4	267.0
Gomphonema angustatum	0.0	0.0	0.0	12.3	0.0	0.0	0.0	0.0
Comphonema olivaceum	0.0	93.0	29.5	12.3	0.0	58.7	14.3	6.8
Gomphonema gracile	15.4	0.0	10.6	0.0	0.0	0.0	0.0	0.0
Gomphonema acuminatum coronata	0.0	11.6	3.7	0.0	0.0	0.0	0.0	0.0
Gyrosigma spencerii	0.0	0.0	0.0	0.0	0.0	29.4	0.0	0.0
Mastogloia grevellei	15.4	0.0	10.6	0.0	0.0	0.0	0.0	0.0
Mastogloia smithii amphicephal	15.4	0.0	10.6	0.0	0.0	0.0	0.0	0.0
Meridon circulare	0.0	11.6	3.7	24.5	0.0	0.0	0.0	0.0
Navicula canalis	15.4	11.6	14.2	12.3	0.0	58.7	0.0	0.0
Navicula cryptocephala	30.8	81.3	46.8	24.5	89.6	264.3	0.0	0.0
Navicula cuspidata	0.0	0.0	0.0	0.0	0.0	29.4	0.0	0.0
Navicula exigua	0.0	11.6	3.7	0.0	0.0	0.0	14.3	0.0
Navicula hungarica	0.0	0.0	0.0	12.3	22.4	0.0	0.0	0.0
Navicula menisculus	0.0	0.0	0.0	0.0	22.4	0.0	0.0	0.0

(continued)

TABLE A-19 (continued)

6/12/73 Afternoon	Species Density							
	Station Means							
Name	17	9	18	12	8	14	15	16
Bacillariophyceae								
Navicula minuscula	0.0	0.0	0.0	0.0	0.0	29.4	0.0	6.8
Navicula pygmaea	0.0	0.0	0.0	0.0	22.4	0.0	14.3	6.8
Navicula radiosa	0.0	0.0	0.0	12.3	0.0	0.0	0.0	0.0
Navicula rhynchocephala	0.0	34.9	11.0	0.0	22.4	88.1	0.0	0.0
Navicula salinarum	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.8
Naviucla sp.	30.8	0.0	21.0	0.0	0.0	0.0	0.0	6.8
Navicula tripunctata	15.4	93.4	40.0	12.3	0.0	29.4	14.3	6.8
Nitzschia acicularis	92.5	58.1	81.6	36.8	134.5	88.1	114.6	27.4
Nitzschia amphibia	15.4	0.0	10.6	12.3	89.6	117.5	14.3	13.7
Nitzschia dissipata	30.8	58.1	39.4	61.3	0.0	88.1	14.3	0.0
Nitzschia palea	0.0	11.6	3.7	24.5	0.0	0.0	43.0	0.0
Nitzschia spp.	77.1	23.2	60.0	73.6	134.5	176.2	14.3	6.8
Opephora martyi	0.0	0.0	0.0	0.0	0.0	29.4	0.0	0.0
Pinnularia sp.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.8
Rhoicosphenia curvata	0.0	34.9	11.0	0.0	22.4	0.0	0.0	0.0
Rhopalodia gibba	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.8
Surirella angustata	0.0	11.6	3.7	0.0	0.0	29.4	0.0	0.0
Surirella ovata	30.8	11.6	24.7	12.3	44.8	58.7	0.0	0.0
Synedra actinastroides	92.5	11.6	66.9	0.0	224.1	234.9	28.6	6.8
Synedra acus	0.0	11.6	3.7	0.0	67.2	146.8	128.9	27.4
Synedra ulna	92.5	139.4	107.4	139.4	268.9	214.8	47.9	107.4
Tabellaria fenestrata	200.4	23.2	144.2	110.4	89.6	58.7	100.3	54.8
Unknown pennate 5 (Wojcik)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.8
Euglenophyceae								
Euglena gracilis	25.4	38.0	29.4	54.3	29.5	0.0	0.0	12.6
Trachelomonas volvocina	0.0	0.0	0.0	0.0	7.8	0.0	0.0	0.0

(continued)

TABLE A-19 (continued)

6/12/73 Afternoon	Species Density Station Means							
Name	17	9	18	12	8	14	15	16
Dinophyceae								
Glenodinium spp.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12.6
Cryptophyceae								
Cryptomonas ovata	0.0	0.0	0.0	9.2	61.6	21.7	0.0	0.0
Chrysophyceae								
Mallomonas alpina	0.0	0.0	0.0	0.0	39.9	50.6	0.0	0.0
Chlorobacteriae								
Pleogloea bacillifera	0.0	0.0	0.0	0.0	0.0	21.7	0.0	0.0
Pleogloea chlorina	0.0	0.0	0.0	0.0	0.0	50.6	0.0	0.0
8/9/73 Afternoon								
Cyanophyceae								
Agmenellum quadruplicatum	18.3	18.3	18.3	103.8	75.7	67.1		
Agmenellum trolleri	0.0	14.5	3.6	0.0	0.0	0.0		
Anabaena spp.	72.8	14.5	58.2	18.3	0.0	48.8		
Anacystis cyanea	30.0	0.0	22.5	18.3	18.3	42.7		
Anacystis incerta	393.7	141.6	330.7	885.0	582.7	302.7		
Anacystis marina	89.0	0.0	66.7	103.8	152.6	18.3		
Anacystis minimus	54.4	0.0	40.8	170.9	14.6	14.6		
Anacystis montana f. montana	30.6	44.1	34.0	79.4	229.5	67.1		
Anacystis montana f. minor	0.0	23.9	6.0	97.7	75.9	52.5		
Anacystis thermalis f. major	0.0	0.0	0.0	18.3	0.0	84.2		

(continued)

TABLE A-19 (continued)

8/9/73 Afternoon

Species Density

Station Means

Name	17	9	18	12	8	14	15	15
Cyanophyceae								
Aphanizomenon flos-aquae	0.0	0.0	0.0	18.3	0.0	0.0		
Aphanizomenon gracile	383.9	44.1	298.9	244.2	161.4	136.7		
Coccochloris clathrata	18.9	18.3	18.8	79.4	49.4	0.0		
Coccochloris peniocystis	42.7	33.4	40.4	140.4	268.8	0.0		
Coccochloris stagina	18.3	37.2	23.0	103.8	36.6	0.0		
Gomphosphaeria aponina	0.0	0.0	0.0	18.3	14.9	0.0		
Gomphosphaeria lacustris	0.0	0.0	0.0	0.0	0.0	61.0		
Oscillatoria spp.	173.6	33.8	138.7	79.4	113.5	42.7		
Rhaphidiopsis curvata	44.1	14.5	36.7	36.6	18.3	42.7		
Unk bl-gr cell-chroococcales	763.3	1544.8	958.7	1672.4	2106.1	1364.7		
Unk bl-gr colony-chroococcales	152.8	75.6	133.5	225.8	224.5	85.5		
Unk bl-gr cell(s)-distorted	0.0	68.0	17.0	36.6	14.6	0.0		
Unk filament-nostocaceae	0.0	0.0	0.0	0.0	18.3	0.0		
Unk filament-oscillatoriaceae	105.1	96.2	102.9	36.6	148.3	0.0		
Chlorophyceae								
Actinastrum hantz. v fluvittle	18.9	32.8	22.4	73.3	33.0	18.3		
Ankistrodesmus falcatus	98.3	58.6	88.4	97.7	33.0	33.0		
Binuclearia eriensis	254.4	61.6	206.2	238.0	210.7	158.7		
Chlamydomonas sp. 1	0.0	55.8	14.0	36.6	18.3	0.0		
Chlamydomonas sp. 2	0.0	0.0	0.0	18.3	0.0	0.0		
Chlamydomonas spp.	30.0	0.0	22.5	18.3	0.0	70.8		
Chlamydomonas sp. 3	0.0	18.9	4.7	79.4	128.7	0.0		
Chlorella variegatus	107.3	488.1	202.5	421.1	333.1	156.3		
Chlorella vulgaris	68.9	181.2	97.0	140.4	118.4	153.8		
Closteririopsis longissima	11.7	18.9	13.5	18.3	0.0	0.0		
Coelastrum microporum	32.8	0.0	24.6	18.3	18.3	14.6		
Cosmarium appreviatum	0.0	0.0	0.0	0.0	14.9	0.0		
Cosmarium formulosum	45.7	0.0	34.2	0.0	0.0	0.0		

(continued)

TABLE A-19 (continued)

8/9/73 Afternoon

Name	Species Density Station Means 17	9	18	12	8	14	15	16
Chlorophyceae								
Cosmarium sp.	14.5	0.0	10.8	18.3	0.0	0.0		
Crucigenia apiculata	18.3	18.3	18.3	0.0	33.0	0.0		
Crucigenia crucifera	0.0	23.9	6.0	0.0	0.0	0.0		
Crucigenia fenestrata	0.0	0.0	0.0	0.0	14.6	0.0		
Crucigenia irregularis	30.6	37.2	32.3	0.0	34.7	57.4		
Crucigenia quadrata	30.0	42.7	33.2	18.3	14.6	33.0		
Crucigenia rectangularis	0.0	18.3	4.6	0.0	18.3	0.0		
Crucigenia tetrapedia	0.0	56.7	14.2	18.3	0.0	0.0		
Dictyosphaerium erenbergianum	0.0	0.0	0.0	18.3	36.6	0.0		
Dictyosphaerium pulchellum	202.9	18.3	156.8	250.2	263.0	136.7		
Elaktothrix gelatinosa	0.0	0.0	0.0	18.3	18.3	0.0		
Elaktothrix viridis	18.9	0.0	14.2	0.0	61.0	0.0		
Franceia droescheri	0.0	0.0	0.0	18.3	18.3	18.3		
Golenkinia radiata	0.0	42.7	10.7	18.3	0.0	0.0		
Golenkinia radiata brevispina	0.0	0.0	0.0	0.0	0.0	14.6		
Haematococcus	0.0	0.0	0.0	0.0	18.3	14.6		
Kirchneriella contorta	55.8	51.1	54.7	55.0	75.7	55.0		
Kirchneriella lunaris	0.0	18.3	4.6	0.0	0.0	18.3		
Kirchneriella lunaris v dianae	0.0	33.4	8.3	0.0	14.9	0.0		
Kirchneriella obesa	18.3	33.4	22.1	36.6	51.3	0.0		
Kirchneriella subsolitaria	0.0	14.5	3.6	18.3	0.0	0.0		
Lagerheimia subsalsa	0.0	42.8	10.7	36.6	42.7	18.3		
Lagerheimia wratislawiensis	18.3	18.3	18.3	0.0	0.0	14.6		
Micractinium pusillum	141.8	0.0	106.4	79.4	176.0	109.9		
Micractinium quadrisetum	0.0	0.0	0.0	0.0	34.7	0.0		
Mougeotia elegantula	0.0	0.0	0.0	0.0	0.0	14.6		
Nephrocytium agardhianum	54.4	81.1	61.1	42.7	14.9	36.6		
Nephrocytium limneticum	0.0	0.0	0.0	0.0	18.3	0.0		
Oocystis borget	81.8	0.0	61.3	55.0	52.5	14.6		

(continued)

TABLE A-19 (continued)

8/9/73 Afternoon	Species Density Station Means							
Name	17	9	18	12	8	14	15	16
Chlorophyceae								
Oocystis parva	78.8	0.0	59.1	73.3	90.6	94.0		
Oocystis pusilla	90.3	38.4	77.3	79.4	137.9	47.6		
Oocystis sp.	14.5	0.0	10.8	0.0	0.0	14.6		
Oocystis submarina	18.3	42.7	24.4	55.0	0.0	0.0		
Pediastrum boryanum	0.0	0.0	0.0	18.3	0.0	0.0		
Pediastrum duplex	18.3	14.5	17.4	18.3	0.0	0.0		
Pediastrum duplex gracillimum	0.0	0.0	0.0	0.0	33.0	36.6		
Pediastrum simplex	11.7	0.0	8.8	0.0	0.0	0.0		
Pediastrum tetras	0.0	0.0	0.0	0.0	14.9	0.0		
Planktosphaeria gelatinosa	0.0	0.0	0.0	0.0	14.9	33.0		
Quadrigula closteriodes	0.0	0.0	0.0	0.0	18.3	18.3		
Scenedesmus abundans	44.1	0.0	33.1	0.0	29.5	0.0		
Scenedesmus abundans brevicaud	57.2	0.0	42.9	55.0	114.1	100.1		
Scenedesmus abundans longicaud	18.3	0.0	13.7	0.0	0.0	0.0		
Scenedesmus anomalus	0.0	0.0	0.0	18.3	0.0	0.0		
Scenedesmus armatus	11.7	0.0	8.8	18.3	29.5	0.0		
Scenedesmus bernardii	0.0	0.0	0.0	0.0	18.3	0.0		
Scenedesmus bijuga	55.5	82.5	62.3	18.3	57.6	42.7		
Scenedesmus bijuga v alternans	14.5	0.0	10.8	36.6	0.0	14.6		
Scenedesmus bijuga v flexuosos	0.0	0.0	0.0	36.6	14.9	14.6		
Scenedesmus denticulatus	0.0	14.5	3.6	79.4	18.3	0.0		
Scenedesmus dimorphus	45.5	18.3	38.7	18.3	18.3	14.6		
Scenedesmus longus	0.0	0.0	0.0	0.0	18.3	0.0		
Scenedesmus opliensis	0.0	0.0	0.0	0.0	0.0	18.3		
Scenedesmus quadricauda	67.3	70.0	68.0	73.3	52.5	86.7		
Scenedesmus quad. v. alternans	11.7	0.0	8.8	18.3	18.3	0.0		
Scenedesmus quad. v longispina	72.4	95.4	78.2	61.0	90.6	277.1		
Scenedesmus quad. var. parvus	173.8	149.6	167.8	116.0	203.8	114.7		
Scenedesmus quad. quadrispina	18.9	0.0	14.2	0.0	0.0	0.0		
Scenedesmus sp.	14.5	0.0	10.8	0.0	0.0	0.0		

(continued)

TABLE A-19 (continued)

8/9/73 Afternoon	Species Density Station Means							
Name	17	9	18	12	8	14	15	16
Chlorophyceae								
Scenedesmus arcuatus platydisc	0.0	0.0	0.0	0.0	14.6	0.0		
Schroederia setigera	111.2	32.8	91.6	170.9	230.6	18.3		
Selenastrum bibraianum gracile	14.5	0.0	10.8	0.0	14.9	0.0		
Selenastrum minutum	33.4	42.8	35.7	18.3	36.6	36.6		
Selenastrum westii	18.9	0.0	14.2	0.0	36.6	47.6		
Sorastrum spinulosum	0.0	0.0	0.0	0.0	36.6	0.0		
Sphaerocystis schroeteri	0.0	0.0	0.0	18.3	33.0	14.6		
Staurastrum chaetocerus	0.0	0.0	0.0	0.0	18.3	0.0		
Staurastrum paradoxum	0.0	0.0	0.0	18.3	0.0	0.0		
Tetraedron assymetricum	0.0	0.0	0.0	18.3	0.0	0.0		
Tetraedron caudatum	0.0	0.0	0.0	0.0	0.0	33.0		
Tetraedron incus	0.0	0.0	0.0	0.0	0.0	33.0		
Tetraedron minimum	0.0	14.5	3.6	0.0	0.0	0.0		
Tetradron muticum	0.0	0.0	0.0	0.0	18.3	0.0		
Tetraedron sp.	0.0	0.0	0.0	18.3	0.0	0.0		
Tetraedron enorme	0.0	18.9	4.7	0.0	0.0	0.0		
Tetrastrum glabrum	0.0	0.0	0.0	18.3	0.0	14.6		
Tetrastrum heteracanthum	0.0	0.0	0.0	0.0	14.6	33.0		
Tetrastrum staurogeniaeforme	0.0	14.5	3.6	18.3	18.3	14.6		
Trochisia granulata	0.0	18.9	4.7	0.0	0.0	0.0		
Unknown green cell 1	661.9	615.2	650.2	909.4	474.4	427.2		
Unknown green cell 2	0.0	0.0	0.0	42.7	0.0	18.3		
Unknown green cell cluster	75.5	42.2	67.2	61.0	14.9	14.6		
Unknown green colony 1	14.5	14.5	14.5	61.0	18.3	0.0		
Unknown green-distorted	144.0	345.9	194.5	122.1	346.2	129.4		
Westella botryoides	18.9	0.0	14.2	0.0	33.2	0.0		
Phacotus lenticularis	0.0	18.3	4.6	18.3	153.1	18.3		
Ulothrix subtillissima	0.0	0.0	0.0	36.6	34.2	0.0		
Errella bornheimiensis	0.0	0.0	0.0	0.0	18.3	0.0		
Stylosphaeridium stipatum	0.0	0.0	0.0	0.0	14.9	0.0		

(continued)

TABLE A-19 (continued)

8/9/73 Afternoon	Species Density							
	Station Means							
Name	17	9	18	12	8	14	15	16
Bacillariophyceae								
Coscinodiscus radiatus	1624.6	234.1	1277.0	1867.6	1593.1	1806.7		
Cyclotella glomerata	0.0	0.0	0.0	101.0	0.0	0.0		
Cyclotella kutzingiana	456.9	643.8	503.6	151.4	0.0	294.1		
Cyclotella meneghiniana	1675.3	3043.5	2017.4	1060.0	1248.7	1302.5		
Cyclotella michiganiana	0.0	58.5	14.6	0.0	258.4	0.0		
Cyclotella stelligera	203.1	1053.5	415.7	50.5	43.1	84.0		
Melosira binderana	50.8	0.0	38.1	0.0	0.0	0.0		
Melosira granulata	253.8	585.3	336.7	201.9	258.4	126.1		
Melosira islandica	50.8	0.0	38.1	0.0	0.0	0.0		
Melosira italica	0.0	117.1	29.3	50.5	0.0	42.0		
Melosira sp.	50.8	58.5	52.7	50.5	43.1	0.0		
Stephanodiscus astraea	152.3	0.0	114.3	403.8	129.2	168.1		
Stephanodiscus niagarae	558.5	117.1	448.1	1110.5	688.9	378.2		
Unknown centric filament	0.0	0.0	0.0	0.0	43.1	0.0		
Achnanthes clevei	0.0	11.4	2.9	19.0	0.0	0.0		
Achnanthes lanceolata	62.7	22.7	52.7	0.5	0.0	14.5		
Amphora ovalis	20.9	0.0	15.7	0.0	0.0	7.2		
Amphora ovalis var. pediculus	0.0	22.7	5.7	0.0	23.3	14.5		
Asterionella formosa	20.9	0.0	15.7	0.0	0.0	21.7		
Caloneis bacillum	0.0	11.4	2.9	0.0	0.0	0.0		
Cocconeis pediculus	0.0	11.4	2.9	0.0	0.0	14.5		
Cocconeis placentula	41.8	11.4	34.2	9.5	0.0	21.7		
Cymatopleura solea	62.7	11.4	49.9	38.1	11.7	21.7		
Cymbella ventricosa	0.0	11.4	2.9	9.5	11.7	0.0		
Diatoma elongatum	41.8	0.0	31.3	9.5	23.3	0.0		
Diatoma vulgare	0.0	0.0	0.0	9.5	0.0	0.0		
Eunotia pectinalis	0.0	0.0	0.0	9.5	0.0	7.2		
Fragilaria capucinia	20.9	0.0	15.7	0.0	0.0	0.0		
Fragilaria crotonensis	20.9	0.0	15.7	28.6	23.3	7.2		

(continued)

TABLE A-19 (continued)

8/9/73 Afternoon	Species Density							
Name	17	9	18	12	8	14	15	16
Bacillariophyceae								
Fragilaria intermedia	20.9	0.0	15.7	0.0	0.0	0.0		
Fragilaria leptostauron	0.0	11.4	2.9	0.0	11.7	7.2		
Fragilaria spp.	104.6	0.0	78.4	123.8	58.3	43.5		
Gomphonema olivaceum	104.6	34.1	87.0	19.0	23.3	21.7		
Gomphonema parvulum	0.0	11.4	2.9	9.5	0.0	14.5		
Gomphonema sp.	20.9	0.0	15.7	0.0	0.0	0.0		
Gyrosigma spencerii	0.0	0.0	0.0	0.0	11.7	0.0		
Hantzschia amphioxys	0.0	11.4	2.9	0.0	0.0	0.0		
Hantzschia sp.	20.9	0.0	15.7	0.0	0.0	0.0		
Mastogloia smithii	20.9	0.0	15.7	0.0	0.0	0.0		
Meridon circulare	0.0	0.0	0.0	0.0	11.7	0.0		
Navicula bacillum	20.9	0.0	15.7	0.0	0.0	0.0		
Navicula canalis	0.0	0.0	0.0	0.0	11.7	7.2		
Navicula cari	0.0	11.4	2.9	0.0	0.0	0.0		
Navicula cryptocephala	20.9	102.2	41.3	9.5	23.3	29.0		
Navicula exigua	0.0	0.0	0.0	0.0	0.0	7.2		
Navicula hungarica	0.0	11.4	2.9	0.0	11.7	0.0		
Navicula krasskei	0.0	0.0	0.0	0.0	11.7	0.0		
Navicula minima	0.0	0.0	0.0	0.0	0.0	7.2		
Navicula pygmaea	0.0	0.0	0.0	0.0	23.3	0.0		
Navicula radiosa	20.9	0.0	15.7	0.0	0.0	0.0		
Navicula rhynchocephala	83.6	11.4	65.6	9.5	0.0	7.2		
Navicula sp.	20.9	0.0	15.7	9.5	0.0	0.0		
Navicula tripunctata	0.0	34.1	8.5	38.1	11.7	14.5		
Navicula viridula	0.0	11.4	2.9	0.0	0.0	0.0		
Navicula pupula	0.0	11.4	2.9	9.5	0.0	0.0		
Neidium dubium	20.9	0.0	15.7	0.0	0.0	0.0		
Nitzschia acicularis	209.1	113.5	185.2	85.7	151.6	87.0		
Nitzschia amphibia	104.6	159.0	118.2	38.1	23.3	43.5		

(continued)

TABLE A-19 (continued)

8/9/73 Afternoon	Species Density							
	Station Means							
Name	17	9	18	12	8	14	15	16
Bacillariophyceae								
Nitzschia dissipata	188.2	68.1	158.2	76.2	46.6	43.5		
Nitzschia filiformis	0.0	11.4	2.9	0.0	34.0	14.5		
Nitzschia palea	83.6	56.8	76.9	28.6	81.6	14.5		
Nitzschia spp.	460.0	204.4	396.1	228.5	244.9	137.8		
Pinnularia sp.	20.9	0.0	15.7	0.0	0.0	0.0		
Rhoicosphenia curvata	20.9	0.0	15.7	0.0	0.0	0.0		
Surirella ovata	20.9	34.1	24.2	9.5	35.0	14.5		
Synedra actinastroides	104.6	11.4	81.3	0.0	81.6	58.0		
Synedra acus	20.9	0.0	15.7	0.0	0.0	0.0		
Synedra nana	0.0	68.1	17.1	28.6	35.0	0.0		
Synedra ulna	0.0	0.0	0.0	19.0	58.3	7.2		
Synedra vaucheriae	20.9	11.4	18.5	19.0	0.0	0.0		
Tabellaria fenestrata	104.6	11.4	81.3	38.1	58.3	7.2		
Unknown pennate 6	41.8	11.4	34.2	28.6	11.7	14.5		
Euglenophyceae								
Euglena acus	0.0	14.5	3.6	0.0	0.0	0.0		
Euglena gracilis	0.0	0.0	0.0	18.3	0.0	0.0		
Trachelomonas pulchella	0.0	18.3	4.6	0.0	0.0	0.0		
Trachelomonas pulcherrima mind	0.0	18.9	4.7	0.0	0.0	0.0		
Trachelomonas volvocina	0.0	23.9	6.0	0.0	14.6	18.3		
Dinophyceae								
Glenodinium spp.	0.0	0.0	0.0	0.0	18.3	0.0		
Gymnodinium spp.	0.0	0.0	0.0	18.3	0.0	0.0		
Cryptophyceae								
Cryptomonas ovata	33.8	14.5	28.9	122.1	187.0	33.0		

(continued)

TABLE A-19 (continued)

8/9/73 Afternoon	Species Density							
	Station Means							
Name	17	9	18	12	8	14	15	16
Chrysophyceae								
Dinobryon sp.	0.0	18.3	4.6	0.0	0.0	0.0		
Mallomonas alpina	0.0	0.0	0.0	0.0	18.3	0.0		
Mallomonas pseudocoronata	0.0	18.9	4.7	0.0	0.0	0.0		
Chlorobacteriae								
Pleogloea bacillifera	0.0	0.0	0.0	0.0	33.2	0.0		
Pleogloea chlorina	0.0	0.0	0.0	0.0	0.0	42.7		
9/29/73 Afternoon								
Cyanophyceae								
Agmenellum quadruplicatum	43.9		38.7	25.7	0.0	20.6		
Anabaena circinalis	0.0		0.0	25.7	18.9	41.2		
Anacystis cyanea	29.3		25.8	18.9	18.9	20.6		
Anacystis incerta	133.4		117.5	18.9	54.6	60.0		
Anacystis marina	14.6		12.9	0.0	0.0	0.0		
Anacystis minimus	14.6		12.9	18.9	0.0	0.0		
Anacystis montana f. montana	166.0		146.3	25.7	15.1	20.6		
Anacystis grevillei	29.3		25.8	0.0	0.0	0.0		
Aphanizomenon gracile	44.4		39.1	174.5	18.9	66.9		
Coccochloris peniocystis	103.6		91.3	0.0	150.2	294.9		
Coccochloris stagina	34.2		30.1	0.0	0.0	0.0		
Gomphosphaeria aponina	0.0		0.0	25.7	0.0	0.0		
Gomphosphaeria lacustris	14.6		12.9	0.0	0.0	0.0		
Oscillatoria spp.	43.9		38.7	18.9	48.0	126.9		
Oscillatoria tenuis	0.0		0.0	0.0	0.0	25.7		
Rhaphidiopsis curvata	0.0		0.0	0.0	15.1	20.6		

(continued)

TABLE A-19 (continued)

9/29/73 Afternoon	Species Denisty						
	Station Means						
Name	17	9	18	12	8	14	15	16
Cyanophyceae							
Unk bl-gr cell-chroococcales	1139.8		1004.2	973.7	1110.4	1220.8		
Unk bl-gr colony-chroococcales	93.2		82.1	44.1	0.0	87.5		
Unk bl-gr cell(s)-distorted	0.0		0.0	60.0	0.0	25.7		
Unk filament-oscillatoriaceae	29.3		25.8	25.7	0.0	0.0		
Marssoniella elegans	44.4		39.1	25.7	0.0	25.7		
Dactylcoccopsis fasicularis	14.6		12.9	0.0	0.0	0.0		
Chlorophyceae							
Actinastrum hants. v fluvitile	49.3		43.4	0.0	56.3	68.6		
Ankistrodesmus convolutus	0.0		0.0	0.0	0.0	20.6		
Ankistrodesmus falcatus	78.6		69.2	130.4	59.2	149.2		
Ankistrodesmus falc. mirabilis	14.6		12.9	0.0	0.0	0.0		
Binuclearia eriensis	0.0		0.0	0.0	15.1	0.0		
Chlamydomonas spp.	112.8		99.4	44.6	20.6	25.7		
Chlorella variegatus	78.1		68.8	243.0	146.8	101.2		
Chlorella vulgaris	151.8		133.8	70.3	79.8	94.3		
Closteririopsis longissima	0.0		0.0	25.7	0.0	0.0		
Coelastrum microporum	14.6		12.9	0.0	43.6	0.0		
Crucigenia fenestrata	0.0		0.0	0.0	0.0	25.7		
Crucigenia irregularis	0.0		0.0	0.0	55.9	0.0		
Crucigenia lauterbornei	0.0		0.0	25.7	0.0	0.0		
Dictyosphaerium pulchellum	44.4		39.1	25.7	102.6	66.9		
Franceia droescheri	0.0		0.0	44.6	0.0	0.0		
Golenkinia radiata	49.3		43.4	0.0	39.5	0.0		
Golenkinia radiata brevispina	29.3		25.8	0.0	0.0	48.0		
Kirchneriella contorta	64.6		56.9	0.0	126.8	46.3		
Kirchneriella lunaris	14.6		12.9	0.0	15.1	0.0		
Kirchneriella lunaris v dianae	98.1		86.5	63.5	54.6	66.9		

(continued)

TABLE A-19 (continued)

9/29/73 Afternoon	Species Density							
	Station Means							
Name	17	9	18	12	8	14	15	16
Chlorophyceae								
Kirchneriella obesa	14.6		12.9	0.0	18.9	0.0		
Kirchneriella obesa var. major	44.4		39.1	51.4	41.2	41.2		
Kirchneriella sp.	14.6		12.9	0.0	0.0	0.0		
Kirchneriella subsolitaria	15.1		13.3	0.0	18.9	20.6		
Kirchneriella obesa var aperta	0.0		0.0	78.9	48.0	0.0		
Lagerheimia genevensis subglob	29.8		26.2	0.0	0.0	20.6		
Lagerheimia quadriseta	14.6		12.9	0.0	0.0	0.0		
Lagerheimia subsalsa	14.6		12.9	60.0	44.1	0.0		
Lagerheimia longiseta	0.0		0.0	0.0	18.9	0.0		
Micractinium pusillum	84.1		74.1	44.6	0.0	20.6		
Mougeotia elegantula	64.6		56.9	18.9	0.0	41.2		
Oocystis borgei	14.6		12.9	60.0	0.0	0.0		
Oocystis crassa	0.0		0.0	0.0	20.6	0.0		
Oocystis eremosphaeria	0.0		0.0	0.0	20.6	0.0		
Oocystis parva	29.3		25.8	0.0	0.0	0.0		
Oocystis pusilla	29.8		26.2	44.6	35.3	25.7		
Oocystis solitaria	0.0		0.0	0.0	0.0	20.6		
Pediastrum duplex	0.0		0.0	25.7	0.0	20.6		
Pediastrum duplex gracillimum	14.6		12.9	0.0	20.6	0.0		
Pediastrum simplex	0.0		0.0	0.0	18.9	0.0		
Pediastrum simplex duodenarium	0.0		0.0	0.0	0.0	25.7		
Planktosphaeria gelatinosa	34.2		30.1	0.0	20.6	0.0		
Scenedesmus abundans	14.6		12.9	25.7	69.3	20.6		
Scenedesmus abundans brevicaud	98.1		86.5	0.0	35.7	68.6		
Scenedesmus acuminatus	15.1		13.3	0.0	0.0	0.0		
Scenedesmus armatus	29.3		25.8	18.9	0.0	25.7		
Scenedesmus bijuga	49.9		44.0	0.0	0.0	0.0		
Scenedesmus denticulatus	14.6		12.9	70.3	0.0	0.0		
Scenedesmus dimorphus	29.8		26.2	0.0	20.6	0.0		

(continued)

TABLE A-19 (continued)

9/29/73 Afternoon	Species Density							
	Station Means							
Name	17	9	18	12	8	14	15	16
Chlorophyceae								
Scenedesmus hystrix	14.6		12.9	0.0	15.1	0.0		
Scenedesmus longus	14.6		12.9	0.0	0.0	0.0		
Scenedesmus quadricauda	44.4		39.1	104.6	34.0	61.7		
Scenedesmus quad. v. alternans	65.0		57.3	0.0	15.1	20.6		
Scenedesmus quad. v longispina	78.1		68.8	95.5	55.9	114.9		
Scenedesmus quad. var. parvus	127.4		112.3	44.1	87.5	0.0		
Scenedesmus quad. v. maximus	14.6		12.9	0.0	0.0	0.0		
Schroederia setigera	15.1		13.3	0.0	20.6	0.0		
Selenastrum minutum	29.3		25.8	60.0	0.0	0.0		
Selenastrum westii	14.6		12.9	18.9	20.6	20.6		
Tetraedron arthrodesmiforme	0.0		0.0	25.7	0.0	0.0		
Tetraedron caudatum	44.4		39.1	25.7	18.9	0.0		
Tetraedron incus	0.0		0.0	0.0	20.6	0.0		
Tetraedron muticum	14.6		12.9	0.0	0.0	0.0		
Tetrastrum glabrum	0.0		0.0	0.0	20.6	0.0		
Tetrastrum heteracanthum	0.0		0.0	44.6	0.0	0.0		
Tetrastrum staurogeniaeforme	29.3		25.8	18.9	18.9	145.8		
Unknown green cell 1	658.4		580.0	588.9	415.7	857.4		
Unknown green cell 2	14.6		12.9	0.0	0.0	0.0		
Unknown green colony 1	14.6		12.9	0.0	54.6	85.7		
Unknown green-distorted	112.8		99.4	95.5	122.8	245.2		
Westella botryoides	14.6		12.9	0.0	15.1	61.7		
Phacotus lenticularis	0.0		0.0	0.0	0.0	20.6		
Ulothrix subtillissima	151.8		133.8	85.7	266.5	154.3		
Errella bornheimiensis	29.8		26.2	0.0	0.0	0.0		
Bacillariophyceae								
Coscinodiscus radiatus	1622.8	202.5	1453.8	1109.5	770.8	1266.5		
Cyclotella glomerata	0.0	0.0	0.0	0.0	70.1	0.0		

(continued)

TABLE A-19 (continued)

9/29/73 Afternoon	Species Density							
	Station Means							
Name	17	9	18	12	8	14	15	16
Bacillariophyceae								
Cyclotella kutzingiana	324.6	1214.8	430.5	341.4	560.6	613.3		
Cyclotella meneghiniana	1785.0	5770.5	2259.3	2987.2	3433.8	3526.2		
Cyclotella stelligera	0.0	404.9	48.2	341.4	210.2	383.3		
Melosira binderana	0.0	0.0	0.0	0.0	70.1	76.7		
Melosira granulata	324.6	1518.5	466.7	768.1	420.5	306.6		
Melosira italica	919.6	0.0	810.1	426.8	140.2	766.5		
Melosira sp.	0.0	0.0	0.0	0.0	70.1	0.0		
Stephanodiscus astraea	108.2	0.0	95.3	256.1	140.2	0.0		
Stephanodiscus niagarae	324.6	0.0	285.9	512.1	70.1	153.3		
Stephanodiscus sp.	0.0	101.3	12.1	256.1	140.2	0.0		
Unknown centric filament	54.1	911.1	156.1	1536.3	911.0	613.3		
Achnanthes clevei	5.4	17.8	6.9	15.1	0.0	27.6		
Achnanthes lanceolata	32.7	53.4	35.1	15.1	14.6	96.5		
Achnanthes minutissima	5.4	17.8	6.9	0.0	44.0	0.0		
Amphora ovalis	10.9	17.8	11.7	0.0	0.0	0.0		
Amphora ovalis var. pediculus	27.2	53.4	30.4	0.0	14.6	27.6		
Asterionella formosa	0.0	17.8	2.1	0.0	14.6	27.6		
Cocconeis pediculus	0.0	0.0	0.0	15.1	29.3	13.8		
Cocconeis placentula	10.9	53.4	15.9	75.6	0.0	96.5		
Cymatopleura solea	0.0	0.0	0.0	0.0	14.6	13.8		
Cymbella spp.	5.4	0.0	4.8	15.1	0.0	0.0		
Diatoma elongatum	0.0	0.0	0.0	15.1	14.6	0.0		
Diatoma sp.	0.0	0.0	0.0	0.0	29.3	0.0		
Diatoma vulgare	0.0	53.4	6.4	15.1	14.6	0.0		
Eunotia sp.	0.0	0.0	0.0	0.0	0.0	13.8		
Fragilaria crotonensis	5.4	0.0	4.8	15.1	14.6	0.0		
Fragilaria leptostauron	21.8	17.8	21.3	0.0	0.0	0.0		
Fragilaria spp.	38.1	124.6	48.4	105.8	73.3	82.7		
Gomphonema angustatum	0.0	0.0	0.0	0.0	0.0	13.8		

(continued)

TABLE A-19 (continued)

9/29/73 Afternoon	Species Density							
	Station Means							
Name	17	9	18	12	8	14	15	16
Bacillariophyceae								
Gomphonema olivaceum	0.0	320.3	38.1	181.5	132.0	193.0		
Gomphonema parvulum	0.0	53.4	6.4	15.1	0.0	0.0		
Gomphonema sp.	0.0	0.0	0.0	0.0	0.0	41.4		
Gyrosigma sp.	10.9	0.0	9.6	0.0	0.0	0.0		
Meridon circulare	0.0	17.8	2.1	30.3	0.0	13.8		
Navicula canalis	0.0	124.6	14.8	0.0	0.0	41.4		
Navicula cryptocephala	43.6	231.4	65.9	136.1	102.7	68.9		
Navicula hungarica	5.4	17.8	6.9	0.0	29.3	0.0		
Navicula krasskei	5.4	0.0	4.8	0.0	14.6	0.0		
Navicula minuscula	0.0	0.0	0.0	15.1	0.0	0.0		
Navicula radiosa	0.0	17.8	2.1	0.0	14.6	13.8		
Navicula rhynchocephala	0.0	17.8	2.1	60.5	176.0	96.5		
Navicula sp.	5.4	0.0	4.8	0.0	58.7	13.8		
Navicula tripunctata	5.4	142.3	21.7	75.6	73.3	41.4		
Navicula viridula	0.0	17.8	2.1	0.0	0.0	0.0		
Navicula pupula	10.9	0.0	9.6	0.0	14.6	41.4		
Nitzschia acicularis	5.4	0.0	4.8	30.3	29.3	13.8		
Nitzschia amphibia	27.2	35.6	28.2	30.3	58.7	96.5		
Nitzschia dissipata	16.3	106.8	27.1	75.6	58.7	27.6		
Nitzschia filiformis	0.0	0.0	0.0	30.3	0.0	0.0		
Nitzschia palea	5.4	0.0	4.8	45.4	29.3	41.4		
Nitzschia sigmoidea	0.0	0.0	0.0	15.1	0.0	0.0		
Nitzschia spp.	65.4	0.0	57.6	45.4	58.7	41.4		
Nitzschia tryblionella	5.4	0.0	4.8	0.0	0.0	0.0		
Opephora martyi	21.8	0.0	19.2	0.0	0.0	0.0		
Rhoicosphenia curvata	0.0	17.8	2.1	45.4	14.6	55.2		
Rhopalodia gibba	0.0	0.0	0.0	0.0	14.6	0.0		
Surirella ovata	5.4	124.6	19.6	166.3	132.0	68.9		
Synedra actinastroides	81.7	0.0	72.0	75.6	58.7	82.7		

(continued)

TABLE A-19 (continued)

9/29/73 Afternoon	Species Density							
	Station Means							
Name	17	9	18	12	8	14	15	16
Bacillariophyceae								
Synedra nana	0.0	0.0	0.0	0.0	14.6	0.0		
Synedra ulna	38.1	71.2	42.1	60.5	29.3	41.4		
Synedra vaucheriae	0.0	35.6	4.2	0.0	73.3	0.0		
Tabellaria fenestrata	27.2	17.8	26.1	90.7	44.0	13.8		
Euglenophyceae								
Euglena acus	0.0	0.0	0.0	0.0	18.9	0.0		
Euglena gracilis	0.0	0.0	0.0	25.7	35.3	0.0		
Euglena sp.	0.0	0.0	0.0	25.7	35.3	0.0		
Euglena viridis	14.6	0.0	12.9	0.0	0.0	0.0		
Trachelomonas sp.	0.0	0.0	0.0	0.0	18.9	0.0		
Trachelomonas volvocina	0.0	0.0	0.0	25.7	0.0	0.0		
Colacium vesiculosum	29.3	0.0	25.8	0.0	0.0	0.0		
Cryptophyceae								
Cryptomonas ovata	14.6	0.0	12.9	0.0	0.0	20.6		
12/13/73 Afternoon								
Chlorophyceae								
Actinastrum hantzschii				11.6				
Chlamydomonas spp.				13.7				
Chlorella spp.				1.6				
Dictyosphaerium erenbergianum				1.6				
Scenedesmus abundans				1.6				
Scenedesmus dimorphus				1.6				

(continued)

TABLE A-19 (continued)

12/13/73 Afternoon	Species Density Station Means							
Name	17	9	18	12	8	14	15	16
Chlorophyceae								
Scenedesmus quadricauda				11.0				
Schroederia setigera				1.6				
Phacotus lenticularis				7.3				
Bacillariophyceae								
Coscinodiscus radiatus				309.2				
Cyclotella meneghiniana				159.6				
Cyclotella michiganiana				20.0				
Cyclotella sp.				10.0				
Melosira binderana				10.0				
Melosira sp.				139.7				
Stephandoiscus astraea				59.8				
Stephanodiscus niagarae				49.9				
Stephanodiscus sp.				249.4				
Achnanthes exigua				1.9				
Achnanthes lanceolata				1.9				
Amphora ovalis				3.8				
Amphora ovalis var. pediculus				1.9				
Cocconeis diminuta				2.8				
Cocconeis placentula				9.5				
Cymatopleura solea				1.9				
Diatoma elongatum				2.9				
Fragilaria crotonensis				15.1				
Fragilaria pinnata				1.9				
Fragilaria spp.				73.8				
Fragilaria virescens				1.9				
Gomphonema angustatum				1.9				
Gomphonema olivaceum				1.9				
Gyrosigma spencerii				1.9				

(continued)

TABLE A-19 (continued)

12/13/73 Afternoon	Species Density Station Means							
Name	17	9	18	12	8	14	15	16
Bacillariophyceae								
Navicula cincta				3.8				
Navicula cocconeiformis				1.9				
Navicula cryptocephala				3.8				
Navicula exigua				3.8				
Navicula minima				3.8				
Navicula perigrina				1.9				
Navicula pupula rectangularis				1.9				
Navicula pygmaea				1.9				
Navicula sp.				7.6				
Nitzschia acicularis				1.9				
Nitzschia amphibia				1.9				
Nitzschia hungarica				3.8				
Nitzschia spp.				7.6				
Pinnularia brevissoni				1.9				
Synedra sp.				1.9				
Synedra ulna				1.9				
Tabellaria fenestrata				11.4				
Unknown pennate				5.7				
2/1/74 Afternoon								
Chlorophyceae								
Chalamydomonas spp.				2.3				
Crucigenia quadrata				7.1				
Bacillariophyceae								
Coscinodiscus radiatus				37.4				
Cyclotella kutzingiana				15.0				

(continued)

TABLE A-19 (continued)

2/1/74 Afternoon	Species Density							
	Station Means							
Name	17	9	18	12	8	14	15	16
Bacillariophyceae								
Cyclotella meneghiniana				321.5				
Cyclotella michiganiana				7.5				
Cyclotella stelligera				29.9				
Cyclotella sp.				37.4				
Melosira binderana				7.5				
Melosira islandica				37.4				
Melosira sp.				89.7				
Melosira varians				15.0				
Stephanodiscus astraea				37.4				
Stephanodiscus niagarae				7.5				
Stephanodiscus sp.				104.7				
Achnanthes lanceolata				17.3				
Achnanthes minutissima				4.3				
Amphora ovalis var. pediculus				4.3				
Caloneis bacillum				4.3				
Cocconeis diminuta				4.3				
Cocconeis placentula				21.6				
Cymatopleura solea				8.6				
Cymbella affinis				4.3				
Cymbella sinuata				4.3				
Fragilaria pinnata				4.3				
Fragilaria spp.				17.3				
Meridon circulare				4.3				
Navicula atomus				36.8				
Navicula cincta				4.3				
Navicula cryptocephala				45.2				
Navicula gastrum				4.3				
Navicula minima				8.6				
Navicula sp.				38.9				
Navicula tripunctata				4.3				

(continued)

TABLE A-19 (continued)

2/1/74 Afternoon	Species Density							
	Station Means							
Name	17	9	18	12	8	14	15	16
Bacillariophyceae								
Navicula laevissima				4.3				
Nitzschia acicularis				8.6				
Nitzschia amphibia				4.3				
Nitzschia apiculata				4.3				
Nitzschia dissipata				12.9				
Nitzschia gracilis				8.6				
Nitzschia palea				43.2				
Nitzschia spp.				73.4				
Nitzschia frustutum				4.3				
Rhoicosphenia curvata				8.6				
Surirella angustata				4.3				
Surirella ovata				8.6				
Synedra ulna				8.6				
4/11/74 Afternoon								
Chlorophyceae								
Chlamydomonas spp.				8.0				
Unknown green-distorted				1.8				
Bacillariophyceae								
Coscinodiscus radiatus				216.2				
Cyclotella meneghiniana				86.4				
Stephanodiscus sp.				86.4				
Achnanthes sp.				25.0				
Amphora ovalis				43.8				
Cocconeis placentula				43.8				

(continued)

TABLE A-19 (continued)

4/11/74 Afternoon	Species Density Station Means							
Name	17	9	18	12	8	14	15	16
Bacillariophyceae								
Cymbella spp.				43.8				
Cymbella turgida				25.0				
Diatoma vulgare				43.8				
Fragilaria spp.				43.8				
Gyrosigma scalproides				43.8				
Navicula bacillum				25.0				
Navicula cocconeiformis				25.0				
Navicula cryptocephala				25.0				
Navicula gastrum				25.0				
Navicula perigrina				25.0				
Navicula salinarum				25.0				
Navicula sp.				118.9				
Neidium iridis				25.0				
Nitzschia spp.				25.0				
6/12/74 Afternoon								
Cyanophyceae								
Anacystis incerta				20.1				
Aphanizomenon glos-aquae				60.1				
Aphanizomenon gracile				10.0				
Coccochloris stagina				51.4				
Oscillatoria spp.				20.1				
Unk bl-gr cell-chroococcales				33.4				
Unk filament-oscillatoriaceae				46.7				
Chlorophyceae								
Actinastrum hantzschii				21.1				
Chlamydomonas spp.				20.1				

(continued)

TABLE A-19 (continued)

6/12/74 Afternoon	Species Density							
	Station Means							
Name	17	9	18	12	8	14	15	16
Chlorophyceae								
Coelastrum microporum				36.7				
Cosmarium sp.				11.0				
Crucigenia irregularis				10.0				
Dictyosphaerium pulchellum				209.7				
Kirchneriella lunaris				11.0				
Kirchneriella obesa				10.0				
Micractinium pusillum				25.7				
Mougeotia elegantula				43.4				
Oocystis borgei				33.4				
Oocystis parva				46.8				
Pediastrum boryanum				10.0				
Pediastrum duplex				10.0				
Scenedesmus dimorphus				10.0				
Scenedesmus opliensis				10.0				
Scenedesmus quadricauda				95.8				
Schroederia setigera				10.0				
Selenastrum bibraianum gracile				10.0				
Tetraedron incus				23.4				
Tetraedron sp.				10.0				
Tetrastrum glabrum				20.1				
Unknown green cell 2				25.7				
Unknown green colony 1				10.0				
Phacotus lenticularis				11.0				
Ulothrix subtillissima				702.4				
Bacillariophyceae								
Coscinodiscus radiatus				779.0				
Cyclotella antiqua				22.3				
Cyclotella kutzingiana				22.3				
Cyclotella meneghiniana				378.4				

(continued)

TABLE A-19 (continued)

6/12/74 Afternoon	Species Density							
	Station Means							
Name	17	9	18	12	8	14	15	16
Bacillariophyceae								
Cyclotella sp.				44.5				
Melosira sp.				667.7				
Rhizolenia eriensis				22.3				
Stephanodiscus astraea				133.6				
Stephanodiscus sp.				178.1				
Achnanthes lanceolata				25.2				
Amphora ovalis var. pediculus				16.8				
Asterionella formosa				25.2				
Cocconeis disculus				16.8				
Cocconeis placentula				8.4				
Cymatopleura solea				8.4				
Diatoma elongatum				42.1				
Epithemia sorex				8.4				
Fragilaria crotonensis				8.4				
Fragilaria lapponica				8.4				
Fragilaria pinnata				16.8				
Fragilaria spp.				210.1				
Gomphonema constrictum				8.4				
Gyrosigma spencerii				8.4				
Navicula cincta				8.4				
Navicula cryptocephala				25.2				
Navicula exigua				8.4				
Navicula gastrum				8.4				
Navicula lanceolata				8.4				
Navicula minima				8.4				
Navicula perigrina				8.4				
Navicula scutelloides				8.4				
Navicula sp.				58.8				
Navicula tripunctata				16.8				

(continued)

TABLE A-19 (continued)

6/12/74 Afternoon	Species Density							
Name	17	9	18	12	8	14	15	16
Bacillariophyceae								
Nitzschia acicularis				8.4				
Nitzschia angustata				16.8				
Nitzschia palea				25.2				
Nitzschia spp.				14.7				
Nitzschia frustutum				33.6				
Pinnularia borealis				8.4				
Surirella ovata				8.4				
Synedra sp.				16.8				
Synedra ulna				16.8				
Synedra vaucheriae				8.4				
Tabellaria fenestrata				79.8				
Unknown pennate				8.4				
Cryptophyceae								
Cryptomonas ovata				20.1				
8/15/74 Afternoon								
Cyanophyceae								
Agmenellum quadruplicatum				24.9				
Anabaena circinalis				125.8				
Anabaena spp.				26.7				
Anacystis cyanea				20827.2				
Anacystis incerta				48.1				
Anacystis montana f. montana				227.0				
Aphanizomenon gracile				732.0				
Unk bl-gr cell-chroococcales				34.7				
Unk filament-oscillatoriaceae				8.0				

(continued)

TABLE A-19 (continued)

8/15/74 Afternoon	Species Density							
Name	17	9	18	12	8	14	15	16
Chlorophyceae								
Actinastrum hantzschii				8.8				
Ankistrodesmus falcatus				8.0				
Chlamydomonas spp.				72.1				
Chlorella spp.				41.1				
Coelastrum sp.				20.6				
Crucigenia quadrata				26.7				
Dictyosphaerium plactonicum				48.1				
Dictyosphaerium pulchellum				150.6				
Golenkinia radiata				32.9				
Kirchneriella contorta				3.8				
Micractinium pusillum				45.4				
Micractinium sp.				8.0				
Mougeotia elegantula				77.5				
Oocystis parva				83.9				
Pediastrum boryanum				8.8				
Pediastrum duplex				34.7				
Protococcus viridis				8.8				
Scenedesmus bijuga				16.0				
Scenedesmus carinatus				43.6				
Scenedesmus denticulatus				8.0				
Scenedesmus opliensis				8.8				
Scenedesmus quadricauda				173.1				
Scenedesmus arcuatus				26.7				
Schroederia setigera				16.0				
Tetraedron arthrodesmiforme				84.7				
Tetraedron incus				26.7				
Tetrastrum glabrum				35.5				
Unknown green cell 2				8.0				
Unknown green cell 2				26.7				
Unknown green cell 3				49.2				

(continued)

TABLE A-19 (continued)

8/15/74 Afternoon	Species Density							
	Station Means							
Name	17	9	18	12	8	14	15	16
Chlorophyceae								
Unknown green cell 4				39.3				
Unknown green 5				8.0				
Phacotus lenticularis				8.0				
Ulothrix subtillissima				75.6				
Bacillariophyceae								
Coscinodiscus radiatus				335.6				
Cyclotella kutzingiana				244.1				
Cyclotella meneghiniana				183.1				
Cyclotella michiganiana				122.0				
Cyclotella pseudostelligera				122.0				
Cyclotella sp.				385.8				
Cyclotella atomus				152.6				
Melosira binderana				30.5				
Melosira sp.				152.6				
Melosira varians				274.6				
Stephanodiscus niagarae				91.5				
Stephanodiscus sp.				274.6				
Achnanthes laterostrata				3.6				
Amphora ovalis var. pediculus				7.2				
Cocconeis diminuta				3.6				
Eunotia pectinalis				3.6				
Fragilaria crotonensis				10.8				
Fragilaria pinnata				7.2				
Fragilaria spp.				10.8				
Navicula cincta				3.6				
Navicula cryptocephala				3.6				
Navicula minima				3.6				
Navicula perigrina				3.6				

(continued)

TABLE A-19 (continued)

8/15/74 Afternoon	Species Density Station Means							
Name	17	9	18	12	8	14	15	16
Bacillariophyceae								
Navicula scutelloides				3.6				
Navicula sp.				3.6				
Navicula tripunctata				3.6				
Navicula pupula				3.6				
Nitzschia acicularis				43.3				
Nitzschia dissipata				7.2				
Nitzschia filiformis				7.2				
Nitzschia fonticola				3.6				
Nitzschia gracilis				10.8				
Nitzschia heafleriana				3.6				
Nitzschia palea				68.6				
Nitzschia palencea				3.6				
Nitzschia tryblionella victori				7.2				
Nitzschia sp.				32.5				
Nitzschia frustutum				7.2				
Rhoicosphenia curvata				3.6				
Synedra actinastroides				46.9				
Synedra ulna				3.6				
Tabellaria fenestrata				14.5				
Unknown pennate				21.6				
10/21/74 Afternoon								
Cyanophyceae								
Anabaena spp.				7.6				
Anacystis incerta				67.3				
Aphanizomenon gracile				336.6				
Coccochloris stagina				35.3				
Gomphosphaeria aponina				16.0				

(continued)

TABLE A-19 (continued)

10/21/74 Afternoon	Species Density							
	Station Means							
Name	17	9	18	12	8	14	15	16
Cyanophyceae								
Oscillatoria spp.				244.5				
Unk bl-gr colony-chroococcales				133.5				
Dactylococcopsis fasicularis				32.0				
Chlorophyceae								
Actinastrum hantzschii				112.4				
Ankistrodesmus falcatus				73.1				
Ankistrodesmus spiralus				15.1				
Chlamydomonas spp.				169.0				
Chlorella spp.				168.1				
Coelastrum microporum				22.9				
Coelastrum reticulatum				32.7				
Dictyosphaerium pulchellum				86.6				
Micractinium pusillum				183.9				
Mougeotia elegantula				334.5				
Oocystis parva				7.6				
Pediastrum duplex				22.7				
Pediastrum simplex				7.6				
Scenedesmus abundans				68.0				
Scenedesmus acuminatus				48.8				
Scenedesmus anomalus				42.8				
Scenedesmus quadricauda				304.8				
Schroederia setigera				55.4				
Selenastrum bibraianum gracile				174.0				
Tetraedron incus				41.2				
Tetraedron minimum				17.6				
Tetraedron muticum				7.6				

(continued)

TABLE A-19 (continued)

10/21/74 Afternoon	Species Density							
	Station Means							
Name	17	9	18	12	8	14	15	16
Chlorophyceae								
Tetrastrum heteracanthum				24.5				
Tetrastrum staurogeniaeforme				115.2				
Unknown green colony 1				7.6				
Unknown green colony 2				7.6				
Unknown green 6				17.6				
Bacillariophyceae								
Coscinodiscus radiatus				127.7				
Cyclotella kutzingiana				204.4				
Cyclotella meneghiniana				204.4				
Cyclotella michiganiana				127.7				
Cyclotella stelligera				25.5				
Cyclotella sp.				536.5				
Melosira granulata				25.5				
Melosira islandica				204.4				
Melosira sp.				357.6				
Melosira varians				102.2				
Stephanodiscus astraea				51.1				
Stephanodiscus niagarae				51.1				
Stephanodiscus sp.				562.0				
Amphora ovalis var. pediculus				10.1				
Asterionella formosa				5.0				
Fragilaria spp.				25.1				
Gomphonema olivaceum				10.1				
Navicula cryptocephala				20.1				
Navicula minima				25.1				
Navicula protracta				5.0				

(continued)

TABLE A-19 (continued)

10/21/74 Afternoon	Species Density							
	Station Means							
Name	17	9	18	12	8	14	15	16
Bacillariophyceae								
Navicula sp.				15.1				
Navicula viridula				5.0				
Nitzschia acicularis				140.8				
Nitzschia amphibia				5.0				
Nitzschia angustata				5.0				
Nitzschia dissipata				50.3				
Nitzschia fonticola				1.6				
Nitzschia gracilis				8.5				
Nitzschia palea				65.4				
Nitzschia sublinearis				5.0				
Nitzschia spp.				10.1				
Nitzschia frustutum				10.1				
Nitzschia recta				10.1				
Nitzschia tryblionella				5.0				
Surirella ovata				5.0				
Surirella sp.				10.1				
Synedra actinastroides				15.1				
Synedra acus				5.0				
Synedra rumpens v fragiloides				5.0				
Tabellaria fenestrata				5.0				
Unknown pennate				25.1				
1/25/75 Afternoon								
Cyanophyceae								
Anacystis incerta				7.6				
Aphanizomenon gracile				7.6				
Oscillatoria spp.				7.6				
Unk bl-gr cell-chroococcales				42.8				

(continued)

TABLE A-19 (continued)

1/25/75 Afternoon	Species Density							
	Station Means							
Name	17	9	18	12	8	14	15	16
Chlorophyceae								
Chlorella spp.				7.6				
Mougeotia elegantula				7.6				
Scenedesmus quadricauda				7.6				
Schroederia setigera				25.2				
Unknown green cell 2				15.1				
Bacillariophyceae								
Coscinodiscus radiatus				80.2				
Cyclotella antiqua				16.1				
Cyclotella glomerata				128.3				
Cyclotella kutzingiana				80.2				
Cyclotella meneghiniana				320.9				
Cyclotella michiganiana				32.1				
Cyclotella pseudostelligera				16.1				
Cyclotella stelligera				16.1				
Cyclotella sp.				112.3				
Cyclotella atomus				80.2				
Melosira binderana				80.2				
Melosira sp.				272.8				
Stephanodiscus astraea				96.2				
Stephanodiscus sp.				320.9				
Achnanthes lanceolata				18.2				
Amphora ovalis var. pediculus				9.1				
Asterionella formosa				27.3				
Cocconeis disculus				9.1				
Fragilaria crotonensis				9.1				
Fragilaria spp.				54.5				
Gomphonema olivaceum				54.5				

(continued)

TABLE A-19 (continued)

1/25/75 Afternoon	Species Density Station Means							
Name	17	9	18	12	8	14	15	16
Bacillariophyceae								
Navicula cincta				18.2				
Navicula cryptocephala				145.5				
Navicula minima				18.2				
Navicula minuscula				9.1				
Navicula salinarum				9.1				
Navicula symetrica				9.1				
Navicula tripunctata				54.5				
Navicula pupula				9.1				
Nitzschia acicularis				27.3				
Nitzschia angustata				9.1				
Nitzschia apiculata				9.1				
Nitzschia dissipata				90.9				
Nitzschia palea				90.9				
Nitzschia spp.				63.6				
Nitzschia frustulum				18.2				
Rhoicosphenia curvata				27.3				
Surirella angustata				9.1				
Surirella ovata				9.1				
Synedra sp.				9.1				
Synedra ulna				9.1				
Unknown pennate				9.1				
3/15/75 Afternoon								
Chlorophyceae								
Chlorella spp.				63.0				
Tetraedron minimum				9.5				
Unknown green cell 3				44.1				

(continued)

TABLE A-19 (continued)

3/15/75 Afternoon	Species Density Station Means							
Name	17	9	18	12	8	14	15	16
Bacillariophyceae								
Coscinodiscus radiatus				160.9				
Cyclotella antiqua				23.0				
Cyclotella glomerata				46.0				
Cyclotella kutzingiana				252.8				
Cyclotella meneghiniana				321.8				
Cyclotella ocellata				23.0				
Cyclotella sp.				505.7				
Cyclotella atomus				23.0				
Melosira binderana				23.0				
Melosira granulata				23.0				
Melosira islandica				23.0				
Melosira sp.				298.8				
Rhizolenia eriensis				23.0				
Stephanodiscus astraea				252.8				
Stephanodiscus niagarae				23.0				
Stephanodiscus sp.				275.8				
Stephanodiscus tenuis				23.0				
Achnanthes clevei				16.1				
Achnanthes lanceolata				80.5				
Achanathes minutissima				16.1				
Amphora ovalis				16.1				
Amphora ovalis var. pediculus				16.1				
Asterionella formosa				16.1				
Cocconeis diminuta				16.1				
Cocconeis placentula				16.1				
Diatoma elongatum				16.1				
Fragilaria crotonensis				80.5				
Fragilaria spp.				112.6				
Gomphonema angustatum				16.1				

(continued)

TABLE A-19 (continued)

3/15/75 Afternoon	Species Density							
	Station Means							
Name	17	9	18	12	8	14	15	16
Bacillariophyceae								
Gomphonema olivaceum				16.1				
Gyrosigma acuminatum				16.1				
Navicula cryptocephala				241.3				
Navicula cuspidata				16.1				
Navicula graciloides				48.3				
Navicula perigrina				16.1				
Navicula rhynchocephala				16.1				
Navicula salinarum				16.1				
Navicula sp.				160.9				
Navicula bicephala				16.1				
Nitzschia acicularis				32.2				
Nitzschia amphibia				64.3				
Nitzschia filiformis				16.1				
Nitzschia fonticola				16.1				
Nitzschia gracilis				32.2				
Nitzschia palea				112.6				
Nitzschia palencea				16.1				
Nitzschia spp.				48.3				
Nitzschia frustutum				32.2				
Opephora martyi				16.1				
Surirella sp.				16.1				
Tabellaria fenestrata				112.6				
Unknown pennate				112.6				
Euglenophyceae								
Trachelomonas pulcherrima mind				22.1				
Trachelomonas sp.				66.1				
Trachelomonas volvocina				110.2				

(continued)

TABLE A-19 (continued)

5/17/75 Afternoon	Species Density							
	Station Means							
Name	17	9	18	12	8	14	15	16
Cyanophyceae								
Anacystis cyanea				80.6				
Chlorophyceae								
Actinastrum hantzschii				161.2				
Ankistrodesmus falcatus				25.2				
Chlamydomonas spp.				277.1				
Chlorella spp.				652.3				
Coelastrum sphaericum				176.3				
Crucigenia quadrata				35.3				
Dictyosphaerium pulchellum				25.2				
Micractinium pusillum				330.0				
Scenedesmus abundans				7.6				
Scenedesmus anomalus				17.6				
Scenedesmus dimorphus				25.2				
Scenedesmus hystrix				25.2				
Scenedesmus quadricauda				181.4				
Schroederia setigera				40.3				
Selenastrum bibraianum gracile				88.2				
Tetraedron arthrodesmiforme				7.6				
Tetraedron minimum				17.6				
Unknown green cell 3				35.3				
Ulothrix subtillissima				7.6				
Bacillariophyceae								
Coscinodiscus radiatus				29.4				
Cyclotella glomerata				29.4				
Cyclotella kutzingiana				234.7				

(continued)

TABLE A-19 (continued)

5/17/75 Afternoon	Species Density							
	Station Means							
Name	17	9	18	12	8	14	15	16
Bacillariophyceae								
Cyclotella meneghiniana				58.7				
Cyclotella michiganiana				88.0				
Cyclotella stelligera				58.7				
Cyclotella sp.				498.8				
Cyclotella atomus				29.4				
Melosira binderana				29.4				
Melosira sp.				704.2				
Stephanodiscus astraea				234.7				
Stephanodiscus sp.				939.0				
Asterionella formosa				85.9				
Diatoma elongatum				150.4				
Fragilaria crotonensis				43.0				
Fragilaria spp.				43.0				
Navicula cryptocephala				21.5				
Navicula sp.				64.5				
Nitzschia acicularis				43.0				
Nitzschia recta				21.5				
Synedra ulna				21.5				
Unknown pennate				1654.3				
Euglenophyceae								
Trachelomonas volvocina				17.6				
7/28/75 Afternoon								
Cyanophyceae								
Agmenellum quadruplicatum				59.2				

(continued)

TABLE A-19 (continued)

7/28/75 Afternoon	Species Density							
	Station Means							
Name	17	9	18	12	8	14	15	16
Cyanophyceae								
Agmenellum thermale				7.6				
Anabaena circinalis				75.5				
Anabaena spp.				69.3				
Anacystis cyanea				19556.4				
Anacystis incerta				262.0				
Aphanizomenon gracile				1578.0				
Coccochloris pentocystis				25.2				
Gomphosphaeria aponina				7.6				
Gomphosphaeria lacustris				7.6				
Oscillatoria spp.				32.7				
Rhaphidiopsis curvata				7.6				
Unk bl-gr cell-chroococcales				7.6				
Chlorophyceae								
Binuclearia eriensis				7.6				
Chlamydomonas spp.				42.8				
Chlorella spp.				147.3				
Coelastrum microporum				7.6				
Coelastrum sphaericum				26.4				
Cosmarium abbreviatum				7.6				
Dictyosphaerium pulchellum				129.7				
Golenkinia radiata				88.2				
Micractinium pusillum				60.5				
Oocystis parva				50.4				
Pediastrum duplex				25.2				
Scenedesmus abundans				35.3				
Scenedesmus acuminatus				7.6				

(continued)

TABLE A-19 (continued)

7/28/75 Afternoon	Species Density							
	Station Means							
Name	17	9	18	12	8	14	15	16
Chlorophyceae								
Scenedesmus anomalus				17.6				
Scenedesmus dimorphus				7.6				
Scenedesmus quadricauda				430.7				
Schroederia setigera				66.7				
Tetraedron incus				41.6				
Tetraedron minimum				7.6				
Phacotus lenticularis				322.4				
Bacillariophyceae								
Coscinodiscus radiatus				1565.1				
Cyclotella glomerata				43.3				
Cyclotella meneghiniana				142.0				
Cyclotella pseudostelligera				37.3				
Cyclotella stelligera				37.3				
Cyclotella sp.				521.7				
Cyclotella atomus				111.8				
Melosira granulata				149.1				
Melosira sp.				335.4				
Stephanodiscus astraea				111.8				
Stehpanodiscus sp.				298.1				
Achnanthes lanceolata				37.0				
Achanathes minutissima				12.3				
Asterionella fromosa				12.3				
Cocconeis placentula				24.7				
Cymbella turgida				12.3				
Diatoma elongatum				12.3				
Diatoma vulgare				12.3				

(continued)

TABLE A-19 (continued)

7/28/75 Afternoon	Species Density							
	Station Means							
Name	17	9	18	12	8	14	15	16
Bacillariophyceae								
Fragilaria crotonensis				37.0				
Fragilaria spp.				98.8				
Fragilaria virescens				12.3				
Gomphonema olivaceum				61.8				
Gyrosigma spencerii				12.3				
Navicula cryptocephala				37.0				
Navicula minima				12.3				
Navicula minuscula				12.3				
Navicula perigrina				12.3				
Navicula sp.				12.3				
Navicula tripunctata				24.7				
Nitzschia acicularis				74.1				
Nitzschia amphibia				37.0				
Nitzschia filiformis				49.4				
Nitzschia hungarica				12.3				
Nitzschia kutzingiana				24.7				
NItzschia palea				308.9				
Nitzschia spp.				111.2				
Rhoicosphenia curvata				12.3				
Surirella ovata				37.0				
Tabellaria fenestrata				12.3				
Unknown pennate				111.2				
Dinophyceae								
Ceratium hirundinea				32.8				

(continued)

TABLE A-19 (continued)

9/16/75 Afternoon	Species Density							
	Station Means							
Name	17	8	18	12	8	14	15	16
Cyanophyceae								
Agmenellum quadruplicatum				50.4				
Anabaena circinalis				7.6				
Anacystis cyanea				37.8				
Anacystis incerta				42.8				
Anacystis montana f. minor				25.2				
Anacystis thermalis f. major				17.6				
Aphanizomenon gracile				929.4				
Coccochloris peniocystis				15.1				
Gomphosphaeria aponina				7.6				
Gomphosphaeria lacustris				7.6				
Oscillatoria spp.				7.6				
Rhaphidiopsis curvata				324.9				
Unk bl-gr colony-chroococcales				15.1				
Unk filament-nostocaceae				45.3				
Unk filament-oscillatoriaceae				35.3				
Chlorophyceae								
Actinastrum hantzschii				25.2				
Binuclearia eriensis				219.1				
Chlamydomonas spp.				337.5				
Chlorella spp.				60.4				
Coelastrum microporum				7.6				
Crucigenia apiculata				25.2				
Dictyosphaerium pulchellum				113.4				
Kirchneriella contorta				7.6				
Kirchneriella lunaris				35.3				
Lagerheimia wratislawiensis				15.1				
Micractinium pusillum				68.0				

(continued)

TABLE A-19 (continued)

9/16/75 Afternoon	Species Density							
	Station Means							
Name	17	9	18	12	8	14	15	16
Chlorophyceae								
Oocystis parva				50.4				
Pediastrum duplex				25.2				
Scenedesmus abundans				60.4				
Scendeesmus anomalus				7.6				
Scenedesmus denticulatus				7.6				
Scenedesmus dimorphus				7.6				
Scenedesmus quadricauda				131.0				
Schroederia setigera				60.5				
Selenastrum bibraianum gracile				15.1				
Tetrastrum heteracanthum				7.6				
Tetrastrum staurogeniaeforme				7.6				
Unknown green cell 1				123.4				
Phacotus lenticularis				183.9				
Bacillariophyceae								
Coscinodiscus radiatus				355.0				
Cyclotella glomerata				273.0				
Cyclotella kutzingiana				245.8				
Cyclotella meneghiniana				600.7				
Cyclotella pseudostelligera				27.3				
Cyclotella stelligera				81.9				
Cyclotella sp.				300.3				
Cyclotella atomus				109.2				
Melosira islandica				191.1				
Melosira sp.				109.2				
Melosira varians				27.3				
Stephanodiscus astraea				163.8				

(continued)

TABLE A-19 (continued)

9/16/75 Afternoon	Species Density							
	Station Means							
Name	17	9	18	12	8	14	15	16
Bacillariophyceae								
Stephanodiscus sp.				245.8				
Cocconeis placentula				17.6				
Fragilaria spp.				17.6				
Gomphonema olivaceum				8.8				
Navicula cryptocephala				105.8				
Navicula minima				8.8				
Navicula minuscula				8.8				
Navicula sp.				8.8				
Navicula tripunctata				8.8				
Navicula laevissima				8.8				
Nitzschia acicularis				167.5				
Nitzschia amphibia				26.5				
Nitzschia fonticola				8.8				
Nitzschia kutzingiana				26.5				
Nitzschia palea				308.6				
Nitzschia subtilis				8.8				
Nitzschia spp.				88.1				
Surirella ovata				17.6				
Synedra sp.				8.8				
Synedra ulna				8.8				
Synedra rumpens v fragiloides				8.8				
Unknown pennate				17.6				
Euglenophyceae								
Trachelomonas sp.				7.6				

TABLE A-20. MEAN GENERIC DENSITY OF ALGAE COLLECTED BY STATION AND DATE (no/ml)

11/9/72 Morning	Genus Density Station Means							
Name	17	9	18	12	8	14	15	16
Cyanophyceae								
Anacystis	35.7	0.0	0.0	2.4	0.0	0.0	0.0	0.0
Aphanizomenon	256.7	0.0	0.0	2.4	9.3	96.2	97.1	107.5
Gomphosphaeria	6.5	0.0	0.0	2.4	9.3	0.0	0.0	0.0
Spirulina	6.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Unknown blue-green cell(s)	0.0	0.0	0.0	9.3	40.1	17.5	12.3	0.0
Unknown blue-green filament	0.0	0.0	0.0	0.0	0.0	0.0	8.3	0.0
Chlorophyceae								
Actinastrum	6.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Ankistrodesmus	6.5	3.3	3.3	2.4	0.0	0.0	8.3	8.3
Binuclearia	13.4	0.0	0.0	0.0	0.0	0.0	8.3	16.5
Chlorella	20.1	17.1	17.1	0.0	5.5	0.0	50.5	33.0
Closteririopsis	6.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cosmarium	6.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Crucigenia	0.0	0.0	0.0	0.0	0.0	0.0	5.3	0.0
Elaktothrix	6.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Haematococcus	0.0	0.0	0.0	2.4	0.0	0.0	0.0	0.0
Kirchneriella	6.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Lagerheimia	0.0	0.0	0.0	11.4	0.0	0.0	0.0	0.0
Nephrocytium	0.0	0.0	0.0	0.0	0.0	0.0	5.3	0.0
Oocystis	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.3
Pediastrum	6.7	0.0	0.0	0.0	9.3	0.0	0.0	0.0
Scenedesmus	80.2	0.0	0.0	0.0	0.0	14.0	41.8	93.6
Schroederia	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.3
Staurastrum	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.3
Tetraedron	13.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Tetrastrum	26.6	0.0	0.0	0.0	0.0	6.2	15.9	8.3
Unknown green algae	13.4	0.0	0.0	9.3	9.3	41.8	35.4	19.3
Ulothrix	0.0	0.0	0.0	0.0	0.0	0.0	25.9	19.3

(continued)

TABLE A-20 (continued)

11/9/72 Morning	Genus Density Station Means							
Name	17	9	18	12	8	14	15	16
Bacillariophyceae								
Coscinodiscus	333.0	29.9	29.9	0.0	62.6	96.4	258.2	229.9
Cyclotella	527.3	1241.6	1241.6	1700.7	2818.6	2602.3	1007.2	689.9
Melosira	83.3	194.4	194.4	143.4	93.9	64.2	25.8	115.0
Stephanodiscus	1443.2	29.9	29.9	204.9	156.6	449.7	1162.2	1724.6
Unknown centric	388.6	0.0	0.0	0.0	0.0	0.0	129.1	115.0
Achnanthes	20.1	85.8	85.8	47.7	163.7	118.5	34.3	13.8
Amphora	5.0	98.0	98.0	47.7	90.9	50.8	34.3	23.0
Asterionella	90.3	0.0	0.0	0.0	0.0	0.0	27.4	41.4
Caloneis	0.0	0.0	0.0	0.0	0.0	33.9	0.0	0.0
Cocconeis	20.1	36.8	36.8	35.7	36.4	101.5	13.7	13.8
Cymatopleura	0.0	0.0	0.0	0.0	0.0	0.0	6.8	0.0
Cymbella	0.0	36.8	36.8	0.0	18.2	16.9	0.0	0.0
Diatoma	10.0	24.5	24.5	0.0	18.2	0.0	20.6	0.0
Eunotia	0.0	0.0	0.0	11.9	0.0	0.0	0.0	0.0
Fragilaria	65.2	0.0	0.0	35.7	0.0	16.9	20.6	18.4
Gomphonema	0.0	61.3	61.3	131.1	218.2	152.4	20.6	20.7
Gyrosigma	5.0	10.6	10.6	11.9	18.2	16.9	0.0	4.6
Mastogloia	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.6
Navicula	115.3	458.1	458.1	417.0	581.9	473.8	178.2	115.0
Nitzschia	125.3	134.7	134.7	393.3	490.9	490.8	288.0	165.7
Opephora	0.0	0.0	0.0	0.0	0.0	0.0	6.8	0.0
Rhoicosphenia	5.0	24.5	24.5	0.0	72.7	16.9	0.0	4.6
Surirella	20.1	61.3	61.3	23.8	18.2	67.7	13.7	13.8
Synedra	25.1	159.3	159.3	47.7	127.3	135.4	41.1	9.2
Tabellaria	20.1	0.0	0.0	0.0	0.0	0.0	6.8	9.2
Euglenophyceae								
Euglena	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.3
Trachelomonas	0.0	7.3	7.3	0.0	9.3	0.0	8.3	24.8

(continued)

TABLE A-20 (continued)

11/9/72 Morning	Genus Density Station Means							
Name	17	9	18	12	8	14	15	16
Cryptophyceae								
Cryptomonas	8.0	0.0	0.0	0.0	0.0	0.0	8.3	0.0
Chrysophyceae								
Ophiocytium	6.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Chlorobacteriae								
Pleogloea	6.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11/9/72 Evening								
Cyanophyceae								
Anabaena	0.0	0.0	0.0	0.0	0.0	0.0	20.1	0.0
Anacystis	0.0	0.0	0.0	0.0	0.0	11.6	27.3	0.0
Aphanizomenon	154.4	0.0	0.0	0.0	0.0	23.2	164.5	125.9
Rhaphidiopsis	0.0	0.0	0.0	0.0	0.0	0.0	7.2	0.0
Unknown blue-green cell(s)	0.0	7.4	7.4	7.4	0.0	11.6	24.1	0.0
Unknown blue-green filament	7.2	0.0	0.0	0.0	0.0	0.0	12.9	12.9
Chlorophyceae								
Actinastrum	7.2	0.0	0.0	0.0	0.0	0.0	7.2	0.0
Ankistrodesmus	7.2	0.0	0.0	0.0	0.0	0.0	12.9	0.0
Binuclearia	7.2	0.0	0.0	0.0	0.0	0.0	20.1	0.0
Chlamydomonas	0.0	14.8	14.8	0.0	0.0	0.0	0.0	25.7
Chlorella	0.0	0.0	0.0	0.0	0.0	23.2	0.0	12.9

(continued)

TABLE A-20 (continued)

11/9/72 Evening	Genus Density Station Means							
Name	17	9	18	12	8	14	15	16
Chlorophyceae								
Closteririopsis	7.2	0.0	0.0	0.0	0.0	0.0	7.2	12.9
Crucigenia	14.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Dictyosphaerium	7.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Oocystis	0.0	7.4	7.4	0.0	0.0	11.6	0.0	12.9
Pediastrum	0.0	0.0	0.0	0.0	0.0	0.0	7.2	0.0
Scenedesmus	62.7	0.0	0.0	0.0	0.0	0.0	115.8	90.0
Sphaerocystis	0.0	7.4	7.4	0.0	0.0	0.0	0.0	0.0
Tetraedron	0.0	0.0	0.0	0.0	0.0	0.0	7.2	0.0
Tetrastrum	24.1	0.0	0.0	0.0	0.0	0.0	61.1	0.0
Unknown green algae	45.8	7.4	7.4	11.6	0.3	11.6	21.7	68.6
Tetradesmus	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.2
Bacillariophyceae								
Coscinodiscus	225.2	0.0	0.0	30.6	29.3	62.3	346.4	472.9
Cyclotella	368.4	1397.0	1397.0	2443.8	2443.8	2244.4	629.9	763.9
Melosira	20.5	68.2	68.2	305.5	58.5	155.9	94.5	145.5
Rhizolenia	20.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Stephanodiscus	1433.0	255.6	255.6	274.9	614.6	654.7	2078.5	2146.3
Unknown centric	0.0	0.0	0.0	0.0	0.0	0.0	0.0	72.7
Achnanthes	11.5	54.8	54.8	143.1	75.9	105.1	13.8	5.2
Amphora	5.7	39.1	39.1	65.0	43.4	75.0	5.5	0.0
Asterionella	54.5	0.0	0.0	0.0	0.0	0.0	16.6	20.7
Cocconeis	14.4	62.6	62.6	39.0	75.9	30.0	13.8	10.3
Cymatopleura	0.0	0.0	0.0	0.0	10.9	0.0	0.0	0.0
Cymbella	2.9	0.0	0.0	0.0	0.0	15.0	0.0	5.2
Diatoma	2.9	0.0	0.0	13.0	0.0	30.0	2.8	15.5
Fragilaria	45.9	15.7	15.7	41.2	21.7	15.0	24.9	31.0
Gomphonema	11.5	70.4	70.4	117.1	54.2	60.0	13.8	36.1

(continued)

TABLE A-20 (continued)

11/9/72 Evening	Genus Density Station Means							
Name	17	9	18	12	8	14	15	16
Bacillariophyceae								
Gyrosigma	0.0	0.0	0.0	26.0	0.0	0.0	2.8	5.2
Meridon	0.0	0.0	0.0	0.0	0.0	15.0	2.8	0.0
Navicula	17.3	344.4	344.4	390.2	520.3	660.4	80.3	123.9
Nitzschia	77.5	148.7	148.7	234.1	162.6	345.2	55.4	175.5
Opephora	5.7	0.0	0.0	0.0	0.0	0.0	2.8	0.0
Rhoicosphenia	0.0	15.7	15.7	39.0	32.5	0.0	0.0	0.0
Surirella	2.9	7.8	7.8	65.0	10.9	30.0	11.1	10.3
Synedra	23.0	54.8	54.8	130.1	86.7	105.1	33.2	20.6
Tabellaria	20.1	0.0	0.0	0.0	0.0	0.0	0.0	10.3
Unknown pennate	0.0	0.0	0.0	0.0	10.9	15.0	0.0	51.6
Euglenophyceae								
Trachelomonas	0.0	7.4	7.4	11.6	0.0	0.0	0.0	0.0
Cryptophyceae								
Cryptomonas	0.0	0.0	0.0	0.0	0.0	0.0	7.2	0.0
11/10/72 Afternoon								
Cyanophyceae								
Anacystis	0.0	0.0	0.0	0.0	0.0	7.4	0.0	14.7
Aphanizomenon	119.3	0.0	0.0	7.4	14.8	40.4	48.1	91.3
Coccochloris	7.4	0.0	0.0	14.4	0.0	0.0	0.0	0.0
Gomphosphaeria	0.0	7.4	7.4	0.0	0.0	7.4	0.0	0.0
Oscillatoria	0.0	0.0	0.0	0.0	0.0	0.0	9.6	0.0
Unknown blue-green cell(s)	21.3	11.8	11.8	0.0	0.0	0.0	0.0	0.0

(continued)

TABLE A-20 (continued)

11/10/72 Afternoon	Genus Density Station Means							
Name	17	9	18	12	8	14	15	16
Chlorophyceae								
Actinastrum	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14.7
Ankistrodesmus	0.0	7.4	7.4	7.4	0.0	0.0	0.0	14.7
Binuclearia	14.8	0.0	0.0	0.0	0.0	0.0	0.0	23.0
Carteria	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.3
Chlamydomonas	0.0	0.0	0.0	0.0	7.4	0.0	12.4	0.0
Chlorella	43.9	43.9	43.9	7.4	29.6	80.7	30.2	14.7
Cosmarium	0.0	0.0	0.0	7.4	0.0	0.0	0.0	0.0
Crucigenia	14.8	0.0	0.0	0.0	0.0	11.6	0.0	14.7
Dictyosphaerium	0.0	0.0	0.0	0.0	0.0	6.2	0.0	0.0
Elaktothrix	7.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Kirchneriella	0.0	0.0	0.0	0.0	0.0	7.4	0.0	0.0
Lagerheimia	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14.7
Micractinium	0.0	0.0	0.0	0.0	0.0	0.0	0.0	29.4
Nephrocytium	7.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Oocystis	7.4	7.4	7.4	0.0	0.0	0.0	9.6	8.3
Pediastrum	0.0	0.0	0.0	0.0	7.4	7.4	22.5	25.5
Scenedesmus	22.2	4.4	4.4	0.0	7.4	40.0	35.1	60.6
Schroederia	0.0	0.0	0.0	0.0	0.0	7.4	0.0	0.0
Selenastrum	0.0	0.0	0.0	0.0	0.0	0.0	9.6	0.0
Tetraedron	0.0	0.0	0.0	6.2	14.8	0.0	0.0	0.0
Tetrastrum	14.8	7.4	7.4	0.0	0.0	11.6	25.5	0.0
Unknown green algae	14.8	7.4	7.4	7.4	14.8	29.6	15.8	39.9
Westella	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.8
Ulothrix	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14.7
Bacillariophyceae								
Coscinodiscus	290.7	19.6	19.6	0.0	137.3	262.4	513.5	600.9
Cyclotella	726.7	1543.5	1543.5	1798.1	2031.8	1338.1	898.6	721.0
Melosira	193.8	371.2	371.2	179.8	329.5	367.3	320.9	120.2

(continued)

TABLE A-20 (continued)

11/10/72 Afternoon

Name	Genus Density Station Means 17	9	18	12	8	14	15	16
Bacillariophyceae								
Stephanodiscus	1211.2	58.7	58.7	20.0	247.1	655.9	1476.3	2563.7
Achnanthes	62.2	88.9	88.9	67.5	101.8	81.6	75.1	93.3
Amphora	18.7	16.2	16.2	19.3	18.5	40.8	18.8	23.3
Asterionella	18.7	8.1	8.1	0.0	0.0	10.2	31.3	101.1
Cocconeis	18.7	8.1	8.1	19.3	46.3	20.4	12.5	15.6
Cymatopleura	0.0	8.1	8.1	9.7	0.0	0.0	0.0	7.8
Cymbella	6.2	0.0	0.0	9.7	18.5	10.2	6.3	15.6
Diatoma	18.7	0.0	0.0	0.0	0.0	0.0	12.5	7.8
Diploneis	6.2	0.0	0.0	0.0	0.0	10.2	0.0	0.0
Fragilaria	37.3	16.2	16.2	19.3	18.5	20.4	56.3	77.7
Gomphonema	43.5	88.9	88.9	67.5	64.8	81.6	37.5	54.4
Gyrosigma	0.0	16.2	16.2	19.3	9.3	10.2	0.0	0.0
Meridon	0.0	0.0	0.0	0.0	0.0	20.4	0.0	0.0
Navicula	130.6	250.5	250.5	299.2	389.0	387.6	169.0	124.4
Nitzschia	180.3	194.0	194.0	357.1	157.4	295.8	150.1	186.6
Opephora	0.0	0.0	0.0	0.0	0.0	0.0	25.0	23.3
Rhoicosphenia	0.0	0.0	0.0	0.0	18.5	10.2	12.5	0.0
Surirella	31.1	64.6	64.6	28.9	9.3	0.0	12.5	7.8
Synedra	49.7	64.6	64.6	67.6	74.1	30.6	25.0	31.1
Tabellaria	6.2	0.0	0.0	0.0	0.0	0.0	0.0	15.6
Euglenophyceae								
Euglena	14.8	0.0	0.0	0.0	0.0	22.2	0.0	0.0
Trachelomonas	0.0	0.0	0.0	0.0	7.4	7.4	0.0	25.5
Cryptophyceae								
Cryptomonas	7.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(continued)

TABLE A-20 (continued)

1/24/73 Afternoon

Genus Density

Station Means

Name	17	9	18	12	8	14	15	16
Cyanophyceae								
Anacystis	0.0	0.0	0.0	0.0	0.0	0.0	6.2	0.0
Aphanizomenon	0.0	1.8	1.3	1.8	0.0	0.0	0.0	0.0
Coccochloris	0.0	0.0	0.0	1.8	0.0	0.0	0.0	0.0
Unknown blue-green cell(s)	0.0	0.0	0.0	3.7	0.0	0.0	12.4	48.2
Chlorophyceae								
Chlamydomonas	26.3	26.3	26.3	16.5	12.0	24.5	39.1	0.0
Chlorella	15.8	23.3	21.0	13.5	9.9	14.3	6.2	20.9
Crucigenia	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.7
Kirchneriella	0.0	1.8	1.3	0.0	0.0	5.3	0.0	0.0
Nephrocytium	1.8	1.8	1.8	0.0	0.0	0.0	0.0	0.0
Oocystis	0.0	17.7	12.4	15.9	12.0	15.9	32.9	20.9
Scenedesmus	1.8	1.8	1.8	0.0	5.2	0.0	0.0	0.0
Selenastrum	0.0	0.0	0.0	0.0	0.0	1.8	0.0	0.0
Sphaerocystis	9.6	0.0	2.9	0.0	0.0	0.0	0.0	0.0
Tetrastrum	1.8	0.0	.6	0.0	0.0	0.0	0.0	0.0
Unknown green algae	5.5	9.8	8.5	9.8	11.5	13.3	6.2	12.3
Ulothrix	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.3
Bacillariophyceae								
Coscinodiscus	128.9	0.0	38.9	7.6	0.0	10.2	147.0	314.3
Cyclotella	434.6	287.2	328.7	257.2	265.9	737.1	947.6	609.0
Melosira	128.9	59.6	80.5	113.4	77.0	245.7	343.1	373.2
Rhizolenia	1.8	0.0	.6	0.0	0.0	0.0	26.8	8.3
Stephanodiscus	5.9	3.5	25.4	3.8	0.0	30.7	228.7	667.9
Achnanthes	13.5	62.3	47.6	24.0	10.4	45.7	58.9	56.9
Amphora	13.5	5.7	8.0	24.0	5.2	18.3	50.5	19.0

(continued)

TABLE A-20 (continued)

1/24/73 Afternoon	Genus Density Station Means							
Name	17	9	18	12	8	14	15	16
Bacillariophyceae								
Asterionella	33.7	0.0	10.2	6.0	0.0	0.0	25.3	44.3
Cocconeis	13.5	17.0	15.9	30.0	26.1	27.4	67.3	37.9
Cymatopleura	6.7	0.0	2.1	6.0	0.0	0.0	0.0	0.0
Cymbella	20.2	5.7	10.1	12.0	5.2	9.1	33.6	6.3
Diatoma	13.5	17.0	15.9	0.0	0.0	9.1	0.0	0.0
Eucocconeis	0.0	0.0	0.0	6.0	0.0	0.0	0.0	0.0
Fragilaria	20.2	0.0	6.1	12.0	0.0	18.3	101.0	94.9
Gomphonema	121.2	90.6	99.9	131.9	78.3	100.5	75.8	25.3
Gyrosigma	0.0	0.0	0.0	6.0	5.2	0.0	0.0	12.6
Meridon	13.5	11.3	11.9	18.0	15.6	27.4	16.8	0.0
Navicula	107.7	147.3	135.3	150.0	182.5	310.7	126.3	113.8
Nitzschia	107.7	96.2	99.7	96.0	109.5	219.3	117.8	63.2
Opephora	26.9	5.7	12.1	0.0	0.0	0.0	8.4	12.6
Pinnularia	0.0	5.7	3.9	6.0	0.0	0.0	8.4	0.0
Rhoicosphenia	20.2	22.6	21.9	12.0	5.2	36.5	0.0	0.0
Stauroneis	6.7	0.0	2.1	0.0	0.0	0.0	8.4	0.0
Surirella	26.9	22.7	24.0	6.0	26.1	9.1	8.4	25.3
Synedra	60.6	34.0	42.0	54.0	52.1	118.8	75.7	31.6
Tabellaria	26.9	0.0	8.1	0.0	0.0	0.0	84.2	88.5
Unknown pennate	20.2	22.6	21.9	0.0	0.0	0.0	8.4	0.0
Euglenophyceae								
Euglena	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.6
Trachelomonas	0.0	1.8	1.3	0.0	1.6	0.0	6.2	0.0

(continued)

TABLE A-20 (continued)

4/5/73 Afternoon	Genus Density Station Means							
Name	17	9	18	12	8	14	15	16
Cyanophyceae								
Anacystis	5.9	0.0	1.9	5.9	4.1	0.0	11.7	0.0
Aphanizomenon	5.9	0.0	1.9	0.0	0.0	0.0	0.0	8.7
Coccochloris	0.0	0.0	0.0	0.0	14.9	4.1	5.9	4.6
Oscillatoria	5.9	0.0	1.9	0.0	0.0	0.0	0.0	0.0
Unknown blue-green cell(s)	13.7	46.9	36.4	33.7	29.0	25.7	64.5	128.1
Chlorophyceae								
Ankistrodesmus	5.9	5.9	5.9	11.7	17.4	0.0	5.9	19.5
Chlamydomonas	21.6	52.7	42.9	52.9	5.9	16.2	11.7	66.4
Chlorella	45.2	78.2	67.7	56.1	35.9	42.1	62.5	20.4
Crucigenia	5.9	25.4	19.2	0.0	18.2	8.1	13.7	0.0
Dictyosphaerium	5.9	11.7	9.9	5.9	20.0	4.1	5.9	17.7
Kirchneriella	0.0	0.0	0.0	0.0	0.0	4.1	0.0	5.9
Nephrocytium	0.0	0.0	0.0	5.9	0.0	0.0	0.0	0.0
Oocystis	17.6	52.7	41.6	43.7	4.6	25.7	5.9	13.3
Pandorina	0.0	0.0	0.0	13.7	0.0	0.0	0.0	0.0
Pediastrum	0.0	0.0	0.0	0.0	0.0	4.1	0.0	0.0
Planktosphaeria	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.6
Polydriopsis	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.1
Scenedesmus	9.9	5.9	7.1	0.0	14.5	28.4	17.6	14.0
Selenastrum	0.0	0.0	0.0	4.6	0.0	0.0	0.0	0.0
Tetraedron	0.0	5.9	4.0	0.0	0.0	0.0	0.0	0.0
Tetrastrum	0.0	31.3	21.3	33.7	18.9	4.1	19.5	14.9
Unknown green algae	25.4	84.0	65.4	33.4	36.2	36.6	11.7	21.0
Westella	5.9	44.9	32.5	11.7	4.1	8.1	11.7	4.1
Ulothrix	0.0	0.0	0.0	0.0	4.6	4.1	0.0	10.5

(continued)

TABLE A-20 (continued)

4/5/73 Afternoon	Genus Density Station Means							
Name	17	9	18	12	8	14	15	16
Bacillariophyceae								
Coscinodiscus	168.9	0.0	53.5	0.0	38.0	20.0	18.3	29.1
Cyclotella	641.9	1042.9	915.7	719.0	798.9	471.1	915.0	611.0
Melosira	253.3	512.6	430.4	311.6	342.4	340.8	366.0	380.3
Rhizolenia	9.9	0.0	3.1	0.0	0.0	20.0	5.9	5.9
Stephanodiscus	625.0	212.1	343.0	179.8	88.8	150.3	549.0	465.6
Achnanthes	26.1	27.1	26.8	39.1	18.3	45.3	25.1	18.0
Amphora	10.4	18.1	15.7	20.3	18.3	9.1	33.5	42.0
Asterionella	31.3	235.1	170.5	117.3	192.1	153.8	67.0	72.0
Cocconeis	0.0	0.0	0.0	9.8	18.3	0.1	8.4	0.0
Cymatopleura	5.2	0.0	1.7	0.0	0.0	9.1	0.0	6.0
Cymbella	10.5	9.0	9.5	0.0	0.0	18.1	25.1	0.0
Diatoma	5.2	9.0	7.8	19.5	0.0	9.1	8.4	0.0
Diploneis	0.0	0.0	0.0	0.0	0.0	0.0	8.4	0.0
Fragilaria	83.5	9.0	32.7	9.8	18.3	18.1	16.8	24.0
Gomphonema	20.9	117.6	86.9	107.5	27.5	108.5	41.9	42.0
Gyrosigma	0.0	9.0	6.2	9.8	18.3	9.1	0.0	0.0
Hantzschia	0.0	0.0	0.0	0.0	0.0	0.0	8.4	0.0
Meridon	10.4	9.0	9.5	0.0	0.0	9.1	0.0	6.0
Navicula	130.5	171.8	158.7	166.1	173.9	190.1	259.7	186.1
Nitzschia	78.3	235.1	185.5	381.1	274.5	226.2	234.6	120.1
Opephora	10.4	0.0	3.3	0.0	0.0	0.0	8.4	12.0
Rhoicosphenia	0.0	0.0	0.0	9.8	0.0	0.0	0.0	0.0
Surirella	15.6	36.2	29.7	39.1	73.2	36.3	58.7	12.0
Synedra	15.7	54.3	42.1	20.3	82.4	54.3	41.9	30.0
Tabellaria	73.0	0.0	23.2	29.3	0.0	9.1	16.8	30.0
Euglenophyceae								
Euglena	5.9	29.3	21.9	0.0	4.1	4.1	0.0	8.7
Trachelomonas	60.4	484.4	350.0	331.3	438.5	330.9	312.5	191.2

(continued)

TABLE A-20 (continued)

4/5/73 Afternoon	Genus Density Station Means							
Name	17	9	18	12	8	14	15	16
Cryptophyceae								
Cryptomonas	9.9	0.0	3.1	0.0	0.0	0.0	0.0	0.0
6/12/73 Afternoon								
Cyanophyceae								
Agmenellum	0.0	0.0	0.0	16.3	0.0	0.0	21.7	0.0
Anacystis	90.6	129.2	102.8	9.2	115.7	130.2	86.8	51.4
Aphanizomenon	94.3	57.5	82.6	58.0	101.9	86.8	209.8	229.0
Coccochloris	50.9	131.3	76.4	54.3	51.2	50.6	0.0	34.3
Gomphosphaeria	0.0	0.0	0.0	0.0	0.0	0.0	0.0	17.1
Oscillatoria	34.6	0.0	23.6	16.3	0.0	0.0	123.0	21.7
Unknown blue-green cell(s)	124.5	434.1	222.6	112.3	286.5	340.0	463.0	34.3
Unknown blue-green filament	0.0	0.0	0.0	0.0	0.0	0.0	0.0	38.8
Chlorophyceae								
Actinastrum	9.2	0.0	6.3	58.0	18.2	43.4	144.7	34.3
Ankistrodesmus	0.0	19.5	6.2	0.0	61.6	43.4	21.7	0.0
Binuclearia	21.4	0.0	14.6	0.0	0.0	0.0	0.0	0.0
Characium	0.0	0.0	0.0	16.3	0.0	0.0	0.0	0.0
Chlamydomonas	18.3	90.1	41.1	25.4	0.0	21.7	72.3	60.5
Chlorella	109.9	342.9	183.8	243.5	239.9	115.7	137.4	59.1
Closteririopsis	0.0	0.0	0.0	0.0	0.0	0.0	21.7	72.3
Coelastrum	0.0	0.0	0.0	38.0	51.2	43.4	0.0	0.0
Crucigenia	25.4	221.4	87.6	41.7	138.6	180.8	21.7	0.0
Dictyosphaerium	73.2	38.0	62.1	79.7	112.3	43.4	173.6	46.9
Elaktothrix	0.0	16.3	5.2	0.0	21.7	65.1	21.7	0.0
Golenkinia	0.0	16.3	5.2	0.0	0.0	0.0	0.0	0.0

(continued)

TABLE A-20 (continued)

6/12/73 Afternoon	Genus Density Station Means							
Name	17	9	18	12	8	14	15	16
Chlorophyceae								
Kirchneriella	0.0	0.0	0.0	32.6	0.0	21.7	0.0	38.8
Lagerheimia	9.2	0.0	6.3	16.3	21.7	21.7	43.4	57.1
Micractinium	0.0	0.0	0.0	0.0	0.0	21.7	0.0	29.7
Mougeotia	115.6	54.3	96.2	91.9	243.1	123.0	267.7	209.5
Nephrocytium	27.5	0.0	18.8	16.3	0.0	50.6	0.0	0.0
Oocystis	43.8	157.4	79.8	48.8	65.1	94.0	65.1	29.7
Pediastrum	0.0	16.3	5.2	16.3	0.0	0.0	0.0	0.0
Planktosphaeria	47.1	16.3	37.4	25.4	43.4	21.7	21.7	0.0
Polyedriopsis	0.0	0.0	0.0	9.2	0.0	0.0	0.0	0.0
Quadrigula	0.0	0.0	0.0	0.0	0.0	0.0	21.7	0.0
Scenedesmus	205.5	243.1	217.4	255.0	302.7	578.7	318.3	225.1
Schroederia	0.0	0.0	0.0	0.0	0.0	0.0	21.7	0.0
Selenastrum	0.0	0.0	0.0	0.0	0.0	21.7	21.7	21.7
Sphaerocystis	0.0	19.5	6.2	25.4	0.0	0.0	21.7	17.1
Tetraedron	9.2	0.0	6.3	16.3	0.0	0.0	0.0	0.0
Tetrastrum	9.2	19.5	12.5	16.3	61.6	21.7	21.7	12.6
Unknown green algae	89.5	122.6	100.0	25.4	203.4	340.0	289.4	299.8
Westella	9.2	19.5	12.5	16.3	47.7	21.7	72.3	34.3
Geminella	9.2	0.0	6.3	0.0	0.0	0.0	0.0	0.0
Ulothrix	1291.2	327.7	985.8	660.2	967.0	607.6	2228.0	2284.9
Bacillariophyceae								
Coscinodiscus	1011.7	421.3	824.6	820.7	722.1	756.8	1458.3	1823.2
Cyclotella	1517.7	3300.6	2082.8	1231.0	2346.6	3233.3	2013.9	994.5
Melosira	781.8	1123.6	890.2	1322.2	1444.0	1307.1	1250.0	1436.5
Rhizolenia	0.0	70.2	22.3	16.3	0.0	0.0	0.0	0.0
Stephanodiscus	1241.7	1685.4	1382.3	1094.2	1504.2	1719.8	2152.8	1270.8
Unknown centric	138.0	491.6	250.1	182.4	0.0	0.0	69.5	0.0

(continued)

TABLE A-20 (continued)

6/12/73 Afternoon	Genus Density							
	Station Means							
Name	17	9	18	12	8	14	15	16
Bacillariophyceae								
Achnanthes	61.7	69.7	64.2	49.1	112.1	88.1	28.6	27.4
Amphora	30.8	34.0	32.1	36.8	44.8	29.4	0.0	6.8
Asterionella	107.9	69.7	95.8	98.1	246.5	176.2	114.6	13.7
Caloneis	0.0	0.0	0.0	0.0	0.0	29.4	0.0	0.0
Cocconeis	61.7	46.5	56.9	73.6	112.1	58.7	28.7	27.4
Cymatopleura	15.4	0.0	10.6	0.0	0.0	29.4	14.3	6.8
Cymbella	30.8	0.0	21.1	0.0	0.0	29.4	0.0	0.0
Diatoma	200.4	116.2	173.7	196.3	224.1	323.0	214.8	68.4
Fragilaria	292.9	81.4	225.9	184.0	269.0	381.8	300.8	287.6
Gomphonema	15.4	194.6	43.7	24.5	0.0	58.7	14.3	6.8
Gyrosigma	0.0	0.0	0.0	0.0	0.0	29.4	0.0	0.0
Mastogloia	30.8	0.0	21.1	0.0	0.0	0.0	0.0	0.0
Meridon	0.0	11.6	3.7	24.5	0.0	0.0	0.0	0.0
Navicula	92.5	232.4	136.8	73.6	179.3	499.3	43.0	34.2
Nitzschia	215.8	151.1	195.3	208.5	358.6	469.9	200.6	47.9
Opephora	0.0	0.0	0.0	0.0	0.0	29.4	0.0	0.0
Pinnularia	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.8
Rhoicosphenia	0.0	34.9	11.0	0.0	22.4	0.0	0.0	0.0
Rhopalodia	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.8
Surirella	30.8	23.2	28.4	12.3	44.8	88.1	0.0	0.0
Synedra	185.0	162.7	177.9	134.9	646.1	372.4	82.1	177.9
Tabellaria	200.4	23.2	144.2	110.4	89.6	58.7	100.3	54.8
Unknown pennate	0.0	0.0	0.0	0.0	0.0	0.0	6.8	0.0
Euglenophyceae								
Euglena	25.4	38.0	29.4	54.3	29.5	0.0	0.0	12.6
Trachelomonas	0.0	0.0	0.0	0.0	7.8	0.0	0.0	0.0

(continued)

TABLE A-20 (continued)

6/12/73 Afternoon	Genus Density Station Means							
Name	17	9	18	12	8	14	15	16
Dinophyceae								
Glenodinium	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12.6
Cryptophyceae								
Cryptomonas	0.0	0.0	0.0	9.2	61.6	21.7	0.0	0.0
Chrysophyceae								
Mallomonas	0.0	0.0	0.0	0.0	39.9	50.6	0.0	0.0
Chlorobacteriae								
Pleogloea	0.0	0.0	0.0	0.0	0.0	72.3	0.0	0.0
8/9/73 Afternoon								
Cyanophyceae								
Agmenellum	18.3	32.8	21.9	103.8	75.7	67.1		
Anabaena	72.8	14.5	58.2	18.3	0.0	48.8		
Anacystis	597.7	209.7	500.8	1373.4	1073.7	582.3		
Aphanizomenon	383.9	44.1	298.9	262.5	161.4	136.7		
Coccochloris	79.9	88.9	82.2	323.5	354.8	0.0		
Gomphosphaeria	0.0	0.0	0.0	18.3	14.9	61.0		
Oscillatoria	173.6	33.8	138.7	79.4	113.5	42.7		
Rhaphidiopsis	44.1	14.5	36.7	36.6	18.3	42.7		
Unknown blue-green cell(s)	916.1	1688.5	1109.2	1934.8	2345.2	1450.2		
Unknown blue-green filament	105.1	96.2	102.9	36.6	166.6	0.0		

(continued)

TABLE A-20 (continued)

8/9/73 Afternoon	Genus Density Station Means							
Name	17	9	18	12	8	14	15	16
Chlorophyceae								
Actinastrum	18.9	32.8	22.4	73.3	33.0	18.3		
Ankistrodesmus	98.3	58.6	88.4	97.7	33.0	33.0		
Binuclearia	254.4	61.6	206.2	238.0	210.7	158.7		
Chlamydomonas	30.0	74.7	41.2	152.6	147.0	70.8		
Chlorella	176.2	669.3	299.5	561.5	451.5	310.1		
Closteririopsis	11.7	18.9	13.5	18.3	0.0	0.0		
Coelastrum	32.8	0.0	24.6	18.3	18.3	14.6		
Cosmarium	60.1	0.0	45.1	18.3	14.9	0.0		
Crucigenia	79.0	197.2	108.6	36.6	115.3	90.3		
Dictyosphaerium	202.9	18.3	156.8	268.6	299.6	136.7		
Elaktothrix	18.9	0.0	14.2	18.3	79.4	0.0		
Franceia	0.0	0.0	0.0	18.3	18.3	18.3		
Golenkinia	0.0	42.7	10.7	18.3	0.0	14.6		
Haematococcus	0.0	0.0	0.0	0.0	18.3	14.6		
Kirchneriella	74.1	150.6	93.3	109.9	141.8	73.3		
Lagerheimia	18.3	61.1	29.0	36.6	42.7	33.0		
Micractinium	141.8	0.0	106.4	79.4	210.7	109.9		
Mougeotia	0.0	0.0	0.0	0.0	0.0	14.6		
Nephrocytium	54.4	81.1	61.1	42.7	33.2	36.6		
Oocystis	283.7	81.1	233.1	262.6	281.0	170.9		
Pediastrum	30.0	14.5	26.2	36.6	47.8	36.6		
Planktosphaeria	0.0	0.0	0.0	0.0	14.9	33.0		
Quadrigula	0.0	0.0	0.0	0.0	18.3	18.3		
Scenedesmus	605.4	430.3	561.7	549.5	698.7	683.5		
Schroederia	111.2	32.8	91.6	170.9	230.6	18.3		
Selenastrum	66.7	42.8	60.7	18.3	88.2	84.2		
Sorastrum	0.0	0.0	0.0	0.0	36.6	0.0		
Sphaerocystis	0.0	0.0	0.0	18.3	33.0	14.6		
Staurastrum	0.0	0.0	0.0	18.3	18.3	0.0		

(continued)

TABLE A-20 (continued)

8/9/73 Afternoon	Genus Density							
	Station Means							
Name	17	9	18	12	8	14	15	16
Chlorophyceae								
Tetraedron	0.0	33.4	8.3	36.6	18.3	65.9		
Tetrastrum	0.0	14.5	3.6	36.6	33.0	62.2		
Trochisia	0.0	18.9	4.7	0.0	0.0	0.0		
Unknown green algae	895.8	1017.8	926.3	1196.3	853.8	589.6		
Westella	18.9	0.0	14.2	0.0	33.2	0.0		
Phacotus	0.0	18.3	4.6	18.3	153.1	18.3		
Ulothrix	0.0	0.0	0.0	36.6	34.2	0.0		
Errella	0.0	0.0	0.0	0.0	18.3	0.0		
Stylosphaeridium	0.0	0.0	0.0	0.0	14.9	0.0		
Bacillariophyceae								
Coscinodiscus	1624.6	234.1	1277.0	1867.6	1593.1	1806.7		
Cyclotella	2335.3	4799.3	2951.3	1362.9	1550.1	1680.6		
Melosira	406.2	760.9	494.9	302.8	301.4	168.1		
Stephanodiscus	710.8	117.1	562.4	1514.3	818.1	546.2		
Unknown centric	0.0	0.0	0.0	0.0	43.1	0.0		
Achnanthes	62.7	34.1	55.6	28.6	0.0	14.5		
Amphora	20.9	22.7	21.4	0.0	23.3	21.7		
Asterionella	20.9	0.0	15.7	0.0	0.0	21.7		
Caloneis	0.0	11.4	2.9	0.0	0.0	0.0		
Cocconeis	41.8	22.7	37.1	9.5	0.0	36.2		
Cymatopleura	62.7	11.4	49.9	38.1	11.7	21.7		
Cymbella	0.0	11.4	2.9	9.5	11.7	0.0		
Diatoma	41.8	0.0	31.3	19.0	23.3	0.0		
Eunotia	0.0	0.0	0.0	9.5	0.0	7.2		
Fragilaria	167.3	11.4	128.4	152.3	93.3	58.0		
Gomphonema	125.5	45.4	105.5	28.6	23.3	36.2		
Gyrosigma	0.0	0.0		0.0	0.0	11.7		

(continued)

TABLF A-20 (continued)

8/9/73 Afternoon	Genus Density Station Means							
Name	17	9	18	12	8	14	15	16
Bacillariophyceae								
Hantzschia	20.9	11.4	18.6	0.0	0.0	0.0		
Mastogloia	20.9	0.0	15.7	0.0	0.0	0.0		
Meridon	0.0	0.0	0.0	0.0	11.7	0.0		
Navicula	167.3	193.1	174.0	76.1	93.4	72.5		
Neidium	20.9	0.0	15.7	0.0	0.0	0.0		
Nitzschia	1045.5	613.1	937.5	457.0	583.0	340.8		
Pinnularia	20.9	0.0	15.7	0.0	0.0	0.0		
Rhoicosphenia	20.9	0.0	15.7	0.0	0.0	0.0		
Surirella	20.9	34.1	24.2	9.5	35.0	14.5		
Synedra	146.4	90.8	132.6	66.6	174.9	65.3		
Tabellaria	104.6	11.4	81.3	38.1	58.3	7.2		
Unknown pennate	41.8	11.4	34.2	28.6	11.7	14.5		
Euglenophyceae								
Euglena	0.0	14.5	3.6	18.3	0.0	0.0		
Trachelomonas	0.0	61.1	15.3	0.0	14.6	18.3		
Dinophyceae								
Glenodinium	0.0	0.0	0.0	0.0	18.3	0.0		
Gymnodinium	0.0	0.0	0.0	18.3	0.0	0.0		
Cryptophyceae								
Cryptomonas	33.8	14.5	28.9	122.1	187.0	33.0		

(continued)

TABLE A-20 (continued)

8/9/73 Afternoon	Genus Density Station Means							
Name	17	9	18	12	8	14	15	16
Cnrysophyceae								
Dinobryon	0.0	18.3	4.6	0.0	0.0	0.0		
Mallomonas	0.0	18.9	4.7	0.0	18.3	0.0		
Chlorobacteriae								
Pleogloea	0.0	0.0	0.0	0.0	33.2	42.7		
9/29/73 Afternoon								
Cyanophyceae								
Agmenellum	43.9		38.7	25.7	0.0	20.6		
Anabaena	0.0		0.0	25.7	18.9	41.2		
Anacystis	387.2		341.2	82.4	88.6	101.2		
Aphanizomenon	44.4		39.1	174.5	18.9	66.9		
Coccochloris	137.8		121.4	0.0	150.2	294.9		
Gomphosphaeria	14.6		12.9	25.7	0.0	0.0		
Oscillatoria	43.9		38.7	18.9	48.0	152.6		
Rhaphidiopsis	0.0		0.0	0.0	15.1	20.6		
Unknown blue-green cell(s)	1233.1		1086.3	1077.8	1110.4	1334.0		
Unknown blue-green filament	29.3		25.8	25.7	0.0	0.0		
Marssoneilla	44.4		39.1	25.7	0.0	25.7		
Dactylcoccopsis	14.6		12.9	0.0	0.0	0.0		
Chlorophyceae								
Actinastrum	49.3		43.4	0.0	56.3	68.6		
Ankistrodesmus	93.2		82.1	130.4	59.2	169.8		

(continued)

TABLE A-20 (continued)

9/29/73 Afternoon	Genus Density Station Means						
Name	17	9	18	12	8	14	15	16
Chlorophyceae								
Binuclearia	0.0		0.0	0.0	15.1	0.0		
Chlamydomonas	112.8		99.4	44.6	20.6	25.7		
Chlorella	229.9		202.6	313.4	226.6	195.5		
Closteririopsis	0.0		.0	25.7	0.0	0.0		
Coelastrum	14.6		12.9	0.0	54.6	0.0		
Crucigenia	0.0		0.0	25.7	55.9	25.7		
Dictyosphaerium	44.4		39.1	25.7	102.6	66.9		
Franceia	0.0		0.0	44.6	0.0	0.0		
Golenkinia	78.6		69.2	0.0	39.5	48.0		
Kirchneriella	266.1		234.5	193.9	323.5	174.9		
Lagerheimia	59.0		52.0	60.0	63.0	20.6		
Micractinium	84.1		74.1	44.6	0.0	20.6		
Mougeotia	64.6		56.9	18.9	0.0	41.2		
Oocystis	73.7		64.9	104.6	76.4	46.3		
Pediastrum	14.6		12.9	25.7	39.5	46.3		
Planktosphaeria	34.2		30.1	0.0	20.6	0.0		
Scenedesmus	610.3		537.8	359.2	333.2	312.1		
Schroederia	15.1		13.3	0.0	20.6	0.0		
Selenastrum	43.9		38.7	78.9	20.6	20.6		
Tetraedron	59.0		52.0	51.4	39.5	0.0		
Tetrastrum	29.3		25.8	63.5	39.5	145.8		
Unknown green algae	800.4		705.2	684.4	593.1	1188.3		
Westella	14.6		12.9	0.0	15.1	61.7		
Phacotus	0.0		0.0	0.0	0.0	20.6		
Ulothrix	151.8		133.8	85.7	266.5	154.3		
Errella	29.8		26.2	0.0	0.0	0.0		

(continued)

TABLE A-20 (continued)

9/29/73 Afternoon	Genus Density Station Means							
Name	17	9	18	12	8	14	15	16
Bacillariophyceae								
Coscinodiscus	1622.8	202.5	1453.8	1109.5	770.8	1226.5		
Cyclotella	2109.6	7390.3	2738.0	3670.1	4274.8	4522.8		
Melosira	1244.1	1518.5	1276.8	1194.9	700.8	1149.8		
Stephanodiscus	432.7	101.3	393.3	1024.2	350.4	153.3		
Unknown centric	54.1	911.1	156.1	1536.3	911.0	613.3		
Achnanthes	43.6	89.0	49.0	30.2	58.6	124.1		
Amphora	38.1	71.2	42.1	0.0	14.6	27.6		
Asterionella	0.0	17.8	2.1	0.0	14.6	27.6		
Cocconeis	10.9	53.4	15.9	90.8	29.3	110.3		
Cymatopleura	0.0	0.0	0.0	0.0	14.6	13.8		
Cymbella	5.4	0.0	4.8	15.1	0.0	0.0		
Diatoma	0.0	53.4	6.4	30.2	58.6	0.0		
Eunotia	0.0	0.0	0.0	0.0	0.0	13.8		
Fragilaria	65.4	142.4	74.5	121.0	88.0	82.7		
Gomphonema	0.0	373.7	44.5	196.6	132.0	248.1		
Gyrosigma	10.9	0.0	9.6	0.0	0.0	0.0		
Meridon	0.0	17.8	2.1	30.3	0.0	13.8		
Navicula	76.2	569.6	134.9	287.4	484.0	317.1		
Nitzschia	125.3	142.4	127.3	272.3	234.7	220.6		
Opephora	21.8	0.0	19.2	0.0	0.0	0.0		
Rhoicosphenia	0.0	17.8	2.1	45.4	14.6	55.2		
Rhopalodia	0.0	0.0	0.0	0.0	14.6	0.0		
Surirella	5.4	124.6	19.6	166.3	132.0	68.9		
Synedra	119.8	106.8	118.3	136.1	176.0	124.1		
Tabellaria	27.2	17.8	26.1	90.7	44.0	13.8		
Euglenophyceae								
Euglena	14.6	0.0	12.9	51.4	89.5	0.0		

(continued)

TABLE A-20 (continued)

9/29/73 Afternoon	Genus Density Station Means							
Name	17	9	18	12	8	14	15	16
Euglenophyceae								
Trachelomonas	0.0	0.0	0.0	25.7	18.9	0.0		
Colacium	29.3	0.0	25.8	0.0	0.0	0.0		
Cryptophyceae								
Cryptomonas	14.6	0.0	12.9	0.0	0.0	20.6		
12/13/73 Afternoon								
Cyanophyceae								
Anacystis	30.9	19.1	27.7	0.0		25.7		
Unknown blue-green cell(s)	57.3	77.2	62.7	0.0		36.8		
Chlorophyceae								
Actinastrum	13.2	8.3	11.9	11.6		11.0		
Ankistrodesmus	13.2	35.8	19.3	0.0		11.0		
Chlamydomonas	74.9	41.9	66.0	13.7		0.0		
Chlorella	0.0	0.0	0.0	1.6		0.0		
Dictyosphaerium	13.2	0.0	9.7	1.6		0.0		
Gloeoactinium	0.0	8.3	2.2	0.0		0.0		
Golenkinia	13.2	0.0	9.7	0.0		11.0		
Kirchneriella	0.0	0.0	0.0	0.0		22.1		
Lagerheimia	13.2	16.6	14.1	0.0		11.0		
Micractinium	0.0	0.0	0.0	0.0		11.0		
Scenedesmus	0.0	38.4	10.3	14.2		47.8		
Schroederia	13.2	0.0	9.7	1.6		0.0		

(continued)

TABLE A-20 (continued)

12/13/73 Afternoon	Genus Density Station Means							
Name	17	9	18	12	8	14	15	16
Chlorophyceae								
Tetraedron	0.0	8.3	2.2	0.0		0.0		
Unknown green algae	44.1	170.6	78.1	0.0		330.6		
Phacotus	88.2	8.3	66.7	7.3		11.0		
Bacillariophyceae								
Coscinodiscus	3003.4	928.7	2445.3	309.2		1639.8		
Cyclotella	353.4	91.0	282.8	189.5		983.8		
Melosira	927.5	273.2	751.5	149.6		728.8		
Stephanodiscus	176.7	546.3	276.1	359.1		619.5		
Achnanthes	0.0	3.6	1.0	3.8		0.0		
Amphiprora	0.0	3.6	1.0	0.0		0.0		
Amphora	45.2	0.0	33.1	5.7		0.0		
Asterionella	0.0	3.6	1.0	0.0		25.9		
Cocconeis	67.8	46.5	62.1	12.2		142.3		
Cymatopleura	0.0	0.0	0.0	1.9		6.5		
Cymbella	37.7	17.9	32.4	0.0		6.5		
Diatoma	0.0	0.0	0.0	2.9		25.9		
Epithemia	7.6	0.0	5.5	0.0		6.5		
Eunotia	22.6	0.0	16.5	0.0		6.5		
Fragilaria	158.3	50.1	129.2	92.7		77.6		
Gomphonema	7.6	0.0	5.5	3.8		32.4		
Gyrosigma	22.6	17.9	21.4	1.9		12.9		
Navicula	241.2	154.0	217.8	39.4		213.4		
Nitzschia	90.5	50.1	79.6	15.2		161.6		
Opephora	7.6	0.0	5.5	0.0		0.0		
Pinnularia	0.0	3.6	1.0	1.9		0.0		
Rhoicosphenia	0.0	0.0	0.0	0.0		6.5		
Rhopalodia	7.6	0.0	5.5	0.0		0.0		

(continued)

TABLE A-20 (continued)

12/13/73 Afternoon	Genus Density Station Means							
Name	17	9	18	12	8	14	15	16
Bacillariophyceae								
Stauroneis	0.0	0.0	0.0	0.0		6.5		
Surirella	15.1	3.6	12.0	0.0		6.5		
Synedra	15.1	7.1	12.9	3.8		12.9		
Tabellaria	15.1	3.6	12.0	11.4		6.5		
Unknown pennate	0.0	3.6	1.0	5.7		25.9		
Euglenophyceae								
Trachelomonas	44.1	33.6	41.3	0.0		22.1		
Cryptophyceae								
Cryptomonas	0.0	27.6	7.4	0.0		99.2		
2/1/74 Afternoon								
Cyanophyceae								
Oscillatoria	3.5	0.0	0.0	0.0		0.0		
Unknown blue-green cell(s)	6.0	0.0	0.0	0.0		0.0		
Chlorophyceae								
Chlamydomonas	0.0	3.5	3.5	2.3		6.9		
Crucigenia	0.0	0.0	0.0	7.1		0.0		
Scenedesmus	2.6	0.0	0.0	0.0		0.0		
Unknown green algae	2.6	0.0	0.0	0.0		0.0		

(continued)

TABLE A-20 (continued)

2/1/74 Afternoon

Genus Density

Station Means

Name	17	9	18	12	8	14	15	16
Bacillariophyceae								
Coscinodiscus	222.8	65.8	67.8	37.4		551.8		
Cyclotella	211.6	300.2	300.2	411.2		838.7		
Melosira	100.2	45.2	45.2	149.5		684.2		
Stephanodiscus	22.3	0.0	0.0	149.5		154.5		
Achnanthes	10.0	0.0	0.0	21.6		8.4		
Amphora	0.0	0.0	0.0	4.3		8.4		
Caloneis	0.0	0.0	0.0	4.3		0.0		
Cocconeis	60.2	0.0	0.0	25.9		58.7		
Cymatopleura	15.1	3.8	3.8	8.6		8.4		
Cymbella	0.0	0.0	0.0	8.6		16.8		
Diatoma	20.1	7.5	7.5	0.0		16.8		
Epithemia	0.0	0.0	0.0	0.0		16.8		
Fragilaria	10.0	67.7	67.7	21.6		117.3		
Gomphonema	10.0	0.0	0.0	0.0		16.8		
Gyrosigma	35.1	52.7	52.7	0.0		16.8		
Meridon	5.0	0.0	0.0	4.3		0.0		
Navicula	130.4	124.1	124.1	146.9		285.0		
Nitzschia	130.4	56.4	56.4	159.8		134.2		
Opephora	0.0	3.8	3.8	0.0		0.0		
Pinnularia	0.0	11.3	11.3	0.0		0.0		
Rhoicosphenia	5.0	0.0	0.0	8.6		16.8		
Rhopalodia	0.0	0.0	0.0	0.0		16.8		
Surirella	0.0	3.8	3.8	13.0		58.7		
Synedra	50.1	33.9	33.9	8.6		16.8		
Tabellaria	20.1	0.0	0.0	0.0		41.9		
Euglenophyceae								
Euglena	0.0	2.2	2.2	0.0		0.0		
Trachelomonas	5.2	5.6	5.6	0.0		32.2		

(continued)

TABLE A-20 (continued)

4/11/74 Afternoon	Genus Density Station Means							
Name	17	9	18	12	8	14	15	16
Cyanophyceae								
Unknown blue-green cell(s)	0.0	2.1	2.1	0.0		0.0		
Chlorophyceae								
Ankistrodesmus	0.0	2.1	2.1	0.0		0.0		
Chlamydomonas	21.9	15.9	15.9	8.0		13.8		
Micractinium	0.0	2.1	2.1	0.0		2.1		
Scenedesmus	0.0	2.1	2.1	0.0		2.1		
Tetrastrum	2.6	6.2	6.2	0.0		6.9		
Unknown green algae	2.1	0.0	0.0	1.8		6.9		
Phacotus	0.0	13.8	13.8	0.0		2.1		
Bacillariophyceae								
Coscinodiscus	253.9	39.1	39.1	216.2		224.8		
Cyclotella	122.1	139.5	139.5	86.4		200.5		
Melosira	97.6	385.1	385.1	0.0		182.3		
Stephanodiscus	19.5	0.0	0.0	86.4		0.0		
Achnanthes	18.1	5.8	5.8	25.0		0.0		
Amphora	6.0	0.0	0.0	43.8		0.0		
Cocconeis	42.3	110.1	110.1	43.8		55.4		
Cymatopleura	6.0	5.8	5.8	0.0		13.9		
Cymbella	18.1	17.4	17.4	68.9		9.3		
Diatoma	18.1	40.6	40.6	43.8		13.9		
Epithemia	30.2	5.8	5.8	0.0		32.3		
Eunotia	6.0	0.0	0.0	0.0		0.0		
Fragilaria	66.4	29.0	29.0	43.8		41.6		
Gomphonema	18.1	34.8	34.8	0.0		32.3		
Gyrosigma	24.2	40.6	40.6	43.8		23.1		
Meridon	0.0	5.8	5.8	0.0		13.9		

(continued)

TABLE A-20 (continued)

4/11/74 Afternoon	Genus Density Station Means							
Name	17	9	18	12	8	14	15	16
Bacillariophyceae								
Navicula	205.4	150.7	150.7	269.1		138.5		
Neidium	0.0	0.0	0.0	25.0		0.0		
Nitzschia	48.3	86.9	86.9	25.0		46.2		
Opephora	6.0	17.4	17.4	0.0		0.0		
Pinnularia	0.0	0.0	0.0	0.0		9.3		
Rhoicosphenia	6.0	11.6	11.6	0.0		0.0		
Rhopalodia	6.0	0.0	0.0	0.0		0.0		
Surirella	18.1	0.0	0.0	0.0		4.6		
Synedra	24.2	23.2	23.2	0.0		18.5		
Tabellaria	36.2	0.0	0.0	0.0		4.6		
Unknown pennate	0.0	0.0	0.0	0.0		9.3		
Euglenophyceae								
Euglena	2.6	2.1	2.1	0.0		0.0		
Trachelomonas	102.8	48.9	48.9	0.0		69.6		
6/12/74 Afternoon								
Bacillariophyceae								
Coscinodiscus	825.2	358.4	736.1	779.0		151.2		
Cyclotella	507.8	4778.3	1323.5	467.4		1027.9		
Melosira	1650.4	836.2	1494.9	667.7		1300.0		
Rhizolenia	0.0	0.0	0.0	22.3		0.0		
Stephanodiscus	190.4	59.8	165.5	311.6		544.2		
Achnanthes	3.6	35.6	9.7	25.2		20.0		

(continued)

TABLE A-20 (continued)

6/12/74 Afternoon

Genus Density

Station Means

Name	17	9	18	12	8	14	15	16
Bacillariophyceae								
Amphora	3.6	0.0	2.9	16.8		0.0		
Anomeoneis	3.6	0.0	2.9	0.0		0.0		
Asterionella	10.8	17.8	12.2	25.2		20.0		
Cocconeis	14.4	53.4	21.8	25.2		30.0		
Cymatopleura	3.6	0.0	2.9	8.4		10.0		
Cymbella	7.2	17.8	9.3	0.0		10.0		
Diatoma	0.0	35.6	6.8	42.1		60.0		
Epithemia	3.6	0.0	2.9	8.4		10.0		
Fragilaria	144.0	53.4	126.7	243.7		129.9		
Gomphonema	10.8	17.8	12.2	8.4		20.0		
Gyrosigma	7.2	0.0	5.8	8.4		0.0		
Navicula	28.8	355.6	91.2	159.6		229.8		
Nitzschia	21.6	675.6	146.5	98.7		269.8		
Opephora	3.6	0.0	2.9	0.0		0.0		
Pinnularia	3.6	0.0	2.9	8.4		0.0		
Rhoicosphenia	0.0	17.8	3.4	0.0		0.0		
Rhopalodia	0.0	0.0	0.0	0.0		60.0		
Surirella	10.8	0.0	8.8	8.4		20.0		
Synedra	7.2	88.9	22.8	42.0		40.0		
Tabellaria	75.6	17.8	64.6	79.8		10.0		
Unknown pennate	0.0	408.9	78.1	8.4		79.9		
Euglenophyceae								
Euglena	0.0	22.1	4.2	0.0		11.0		
Trachelomonas	0.0	88.2	16.8	0.0		36.7		

(continued)

TABLE A-20 (continued)

6/12/74 Afternoon	Genus Density Station Means							
Name	17	9	18	12	8	14	15	16
Dinophyceae								
Glenodinium	0.0	0.0	0.0	0.0		11.0		
Cryptophyceae								
Cryptomonas	139.6	51.4	122.8	20.1		22.1		
8/15/74 Afternoon								
Cyanophyceae								
Agmenellum	36.8		34.3	24.9		99.2		
Anabaena	139.6		130.4	152.5		205.7		
Anacystis	1344.4		1255.7	21102.2		2666.9		
Aphanizomenon	841.2		785.7	732.0		1458.3		
Coccochloris	198.4		185.3	0.0		117.6		
Gomphosphaeria	36.8		34.3	0.0		158.0		
Oscillatoria	0.0		0.0	0.0		33.1		
Rhaphidiopsis	84.5		78.9	0.0		99.2		
Unknown blue-green cell(s)	2376.7		2219.8	34.7		2185.6		
Unknown blue-green filament	0.0		0.0	8.0		0.0		
Chlorophyceae								
Actinastrum	11.0		10.3	8.8		44.1		
Ankistrodesmus	36.7		34.3	8.0		55.1		
Chlamydomonas	554.7		518.1	72.1		426.1		
Chlorella	0.0		0.0	41.1		0.0		
Closterium	11.0		10.3	0.0		0.0		

(continued)

TABLE A-20 (continued)

8/15/74 Afternoon	Genus Density Station Means						
Name	17	9	18	12	8	14	15	16
Chlorophyceae								
Coelastrum	11.0		10.3	20.6		77.2		
Cosmarium	11.0		10.3	0.0		22.1		
Crucigenia	0.0		0.0	26.7		73.5		
Dictyosphaerium	62.5		58.3	198.7		143.3		
Franceia	11.0		10.3	0.0		198.4		
Golenkinia	102.9		96.1	32.9		382.0		
Kirchneriella	88.2		82.4	8.8		180.0		
Lagerheimia	88.2		82.4	0.0		0.0		
Micractinium	73.5		68.7	53.4		150.6		
Mougeotia	22.1		20.6	77.5		77.2		
Oocystis	62.5		58.3	83.9		231.4		
Pandorina	47.8		44.6	0.0		33.1		
Pediastrum	62.5		58.4	43.6		106.5		
Polyedriopsis	69.8		65.2	0.0		224.1		
Protococcus	0.0		0.0	8.8		0.0		
Scenedesmus	562.0		525.0	276.2		1113.0		
Schroederia	36.8		34.3	16.0		44.1		
Selenastrum	0.0		0.0	0.0		33.1		
Staurastrum	0.0		0.0	0.0		22.1		
Tetraedron	25.7		24.0	111.4		73.5		
Tetrastrum	84.5		78.9	35.5		99.2		
Unknown green algae	3100.3		2895.7	131.2		418.8		
Phacotus	11.0		10.3	8.0		345.3		
Ulothrix	73.5		68.7	75.6		110.2		
Bacillariophyceae								
Coscinodiscus	1081.3		1009.9	355.6		1235.7		
Cyclotella	1474.5		1377.2	1209.7		4139.6		

(continued)

TABLE A-20 (continued)

8/15/74 Afternoon	Genus Density Station Means						
Name	17	9	18	12	8	14	15	16
Bacillariophyceae								
Melosira	229.4		214.3	457.7		185.4		
Stephanodiscus	491.5		459.0	366.1		617.9		
Achnanthes	5.2		4.8	3.6		7.2		
Amphora	2.6		2.4	7.2		7.2		
Cocconeis	2.6		2.4	3.6		28.5		
Cymbella	2.6		2.4	0.0		0.0		
Epithemia	2.6		2.4	0.0		7.2		
Eunotia	0.0		0.0	3.6		0.0		
Fragilaria	15.4		14.4	28.9		28.5		
Gomphonema	2.6		2.4	0.0		14.2		
Gyrosigma	2.6		2.4	0.0		0.0		
Navicula	12.9		12.0	28.6		78.4		
Nitzschia	100.3		93.7	195.0		392.0		
Pinnularia	2.6		2.4	0.0		0.0		
Rhoicosphenia	0.0		0.0	3.6		0.0		
Surirella	7.7		7.2	0.0		7.2		
Synedra	82.3		76.9	50.5		114.0		
Tabellaria	18.0		16.8	14.5		14.2		
Unknown pennate	0.0		0.0	21.6		21.4		
Euglenophyceae								
Euglena	25.7		24.0	0.0		0.0		
Trachelomonas	22.1		20.6	0.0		99.2		
Dinophyceae								
Glenodinium	36.8		34.3	0.0		22.1		

(continued)

TABLE A-20 (continued)

8/15/74 Afternoon	Genus Density Station Means						
Name	17	9	18	12	8	14	15	16
Cryptophyceae								
Cryptomonas	587.7		549.0	0.0		161.6		
10/21/74 Afternoon								
Cyanophyceae								
Agmenellum	22.1		21.2	0.0		9.5		
Anabaena	107.1		103.1	7.6		63.0		
Anacystis	302.5		291.4	67.3		245.6		
Aphanizomenon	454.8		437.9	336.6		491.2		
Coccochloris	129.1		124.3	35.3		248.7		
Gomphosphaeria	53.5		51.6	16.0		37.8		
Oscillatoria	356.1		342.9	244.5		472.3		
Rhaphidiopsis	352.2		339.1	0.0		396.7		
Unknown blue-green cell(s)	0.0		0.0	133.5		22.1		
Dactylcoccopsis	0.0		0.0	32.0		0.0		
Chlorophyceae								
Actinastrum	197.9		190.6	112.4		497.5		
Ankistrodesmus	51.7		49.8	88.2		0.0		
Binuclearia	18.9		18.2	0.0		0.0		
Chlamydomonas	379.6		365.6	169.0		396.7		
Chlorella	0.0		0.0	168.1		0.0		
Closterium	9.5		9.1	0.0		0.0		
Coelastrum	121.0		116.5	55.6		53.5		
Crucigenia	19.5		18.8	0.0		0.0		
Dictyosphaerium	41.5		40.0	86.6		135.4		

(continued)

TABLE A-20 (continued)

10/21/74 Afternoon	Genus Density Station Means							
Name	17	9	18	12	8	14	15	16
Chlorophyceae								
Elaktothrix	0.0		0.0	0.0		18.9		
Golenkinia	18.9		18.2	0.0		63.0		
Kirchneriella	192.1		185.0	0.0		151.1		
Lagerheimia	81.9		78.8	0.0		66.1		
Micractinium	184.5		177.7	183.9		47.3		
Mougeotia	517.4		498.3	334.5		459.7		
Oocystis	103.9		100.1	7.6		188.9		
Pediastrum	28.4		27.3	30.2		50.4		
Polyedriopsis	18.9		18.2	0.0		9.5		
Scenedesmus	1045.7		1007.0	464.4		721.0		
Schroederia	18.9		18.2	55.4		85.0		
Selenastrum	18.9		18.2	174.0		0.0		
Staurastrum	9.5		9.1	0.0		0.0		
Tetraedron	225.5		217.1	66.4		223.6		
Tetrastrum	1121.5		1080.0	139.7		847.0		
Unknown green algae	1105.2		1064.3	32.8		538.4		
Phacotus	56.7		54.6	0.0		18.9		
Ulothrix	0.0		0.0	0.0		28.4		
Bacillariophyceae								
Coscinodiscus	175.4		168.9	127.7		880.6		
Cyclotella	249.3		240.0	1098.4		1993.0		
Melosira	138.5		133.4	689.7		648.9		
Stephanodiscus	350.8		337.8	664.2		1112.3		
Achnanthes	.5		.5	0.0		8.3		
Amphora	.5		.5	10.1		0.0		
Asterionella	0.0		0.0	5.0		0.0		

(continued)

TABLE A-20 (continued)

10/21/74 Afternoon	Genus Density Station Means							
Name	17	9	18	12	8	14	15	16
Bacillariophyceae								
Caloneis	0.0		0.0	0.0		8.3		
Cocconeis	.9		.9	0.0		25.0		
Cymatopleura	.9		.9	0.0		0.0		
Epithemia	0.0		0.0	0.0		8.3		
Eunotia	.5		.5	0.0		8.3		
Fragilaria	4.4		4.2	25.1		100.1		
Gomphonema	.5		.5	10.1		16.7		
Gyrosigma	0.0		0.0	8.3		0.0		
Navicula	3.1		3.0	70.4		141.8		
Nitzschia	20.1		19.4	316.9		417.2		
Rhoicosphenia	0.0		0.0	0.0		8.3		
Rhopalodia	.5		.5	0.0		0.0		
Stauroneis	.5		.5	0.0		0.0		
Surirella	0.0		0.0	15.1		8.3		
Synedra	9.2		8.8	25.1		50.1		
Tabellaria	2.2		2.1	5.0		25.0		
Unknown pennate	0.0		0.0	25.1		0.0		
Euglenophyceae								
Trachelomonas	28.4		27.3	0.0		22.1		
Cryptophyceae								
Cryptomonas	170.1		163.8	0.0		138.5		

(continued)

TABLE A-20 (continued)

1/25/75 Afternoon	Genus Density Station Means							
Name	17	9	18	12	8	14	15	16
Cyanophyceae								
Anacystis	37.8	9.5	29.7	7.6		0.0		
Aphanizomenon	0.0		0.0					
Coccochloris	50.4	0.0	36.0	0.0		9.5		
Oscillatoria	0.0	0.0	0.0	7.6		0.0		
Unknown blue-green cell(s)	75.6	0.0	54.0	42.8		0.0		
Chlorophyceae								
Chlamydomonas	37.8	0.0	27.0	0.0		18.9		
Chlorella	0.0	0.0	0.0	7.6		0.0		
Cosmarium	0.0	9.5	2.7	0.0		0.0		
Kirchneriella	9.5	0.0	6.8	0.0		0.0		
Mougeotia	0.0	0.0	0.0	7.6		0.0		
Oocystis	0.0	9.5	2.7	0.0		18.9		
Polyedriopsis	0.0	3.1	.9	0.0		0.0		
Scenedesmus	28.4	0.0	20.3	7.6		0.0		
Schroederia	0.0	0.0	0.0	25.2		0.0		
Tetraedron	0.0	3.1	.9	0.0		0.0		
Tetrastrum	9.5	0.0	6.8	0.0		0.0		
Unknown green algae	40.9	0.0	29.2	15.1		53.5		
Phacotus	0.0	9.5	2.7	0.0		0.0		
Bacillariophyceae								
Coscinodiscus	60.1	56.0	58.9	80.2		60.9		
Cyclotella	1471.9	1344.4	1435.4	802.3		1794.5		
Melosira	270.3	130.7	230.4	353.0		365.0		
Rhizolenia	0.0	0.0	0.0	0.0		30.5		

(continued)

TABLE A-20 (continued)

1/25/75 Afternoon	Genus Density Station Means							
Name	17	9	18	12	8	14	15	16
Bacillariophyceae								
Stephanodiscus	1201.5	336.1	954.0	417.2		821.2		
Achnanthes	12.1	13.7	12.6	18.2		12.7		
Amphora	6.1	13.7	8.2	9.1		12.7		
Asterionella	66.5	41.0	59.2	27.3		50.5		
Cocconeis	12.1	109.4	39.9	18.2		37.9		
Cymatopleura	0.0	13.7	3.9	0.0		0.0		
Cymbella	6.1	0.0	4.3	0.0		0.0		
Diatoma	6.1	0.0	4.3	0.0		0.0		
Fragilaria	60.5	27.3	51.0	63.7		50.5		
Gomphonema	6.1	27.3	12.2	54.5		101.0		
Gyrosigma	0.0	13.7	3.9	0.0		12.7		
Meridon	0.0	0.0	0.0	0.0		12.7		
Navicula	229.7	574.1	328.2	272.8		429.3		
Nitzschia	157.2	410.0	229.5	309.2		454.5		
Rhoicosphenia	0.0	27.3	7.8	27.3		12.7		
Surirella	6.1	95.6	31.7	18.2		25.3		
Synedra	6.1	27.3	12.2	18.2		0.0		
Tabellaria	6.1	13.7	8.2	0.0		0.0		
Unknown pennate	24.2	27.3	25.1	9.1		75.8		
Euglenophyceae								
Euglena	9.5	0.0	6.8	0.0		0.0		
Trachelomonas	18.9	0.0	13.5	0.0		0.0		
Cryptophyceae								
Cryptomonas	0.0	0.0	0.0	0.0		44.1		

(continued)

TABLE A-20 (continued)

3/15/75 Afternoon	Genus Density Station Means							
Name	17	9	18	12	8	14	15	16
Chlorophyceae								
Chlamydomonas	0.0	16.7	7.3	0.0		85.0		
Chlorella	0.0	0.0	0.0	63.0		0.0		
Dictyosphaerium	0.0	0.0	0.0	0.0		9.5		
Franceia	0.0	9.5	4.1	0.0		0.0		
Micractinium	0.0	7.3	3.2	0.0		44.1		
Oocystis	28.4	7.3	19.2	0.0		18.9		
Scenedesmus	9.5	10.4	9.9	0.0		31.5		
Schroederia	0.0	9.5	4.1	0.0		0.0		
Tetraedron	0.0	0.0	0.0	9.5		0.0		
Tetrastrum	0.0	3.1	1.4	0.0		0.0		
Unknown green algae	9.5	7.3	8.5	44.1		40.9		
Phacotus	0.0	0.0	0.0	0.0		22.1		
Ulothrix	63.0	7.3	38.7	0.0		0.0		
Bacillariophyceae								
Coscinodiscus	136.2	21.7	86.2	160.9		146.6		
Cyclotella	2769.5	922.0	1964.0	1195.1		1044.5		
Melosira	499.4	86.8	319.5	367.7		274.9		
Rhizolenia	227.0	0.0	128.1	23.0		0.0		
Stephanodiscus	862.6	54.3	510.2	5				
Achnanthes	37.1	26.6	32.5	112.7		16.2		
Amphora	49.5	0.0	27.9	32.2		32.4		
Asterionella	99.0	13.3	61.6	16.1		48.5		
Cocconeis	24.8	66.5	43.0	32.2		64.8		
Cymatopleura	0.0	13.3	5.8	0.0		0.0		
Cymbella	24.8	13.3	19.8	0.0		16.2		
Diatoma	12.4	0.0	7.0	16.1		16.2		
Eunotia	12.4	0.0	7.0	0.0		16.2		

(continued)

TABLE A-20 (continued)

3/15/75 Afternoon	Genus Density Station Means							
Name	17	9	18	12	8	14	15	16
Bacillariophyceae								
Fragilaria	160.9	26.6	102.3	193.1		64.8		
Gomphonema	12.4	13.3	12.8	32.2		32.4		
Gyrosigma	0.0	13.3	5.8	16.1		0.0		
Meridon	0.0	13.3	5.8	0.0		16.2		
Navicula	309.4	478.8	383.2	531.0		356.1		
Neidium	12.4	0.0	7.0	0.0		0.0		
Nitzschia	297.0	505.4	387.8	370.1		728.3		
Opephora	12.4	0.0	7.0	16.1		0.0		
Rhoicosphenia	0.0	13.3	5.8	0.0		16.2		
Rhopalodia	12.4	0.0	7.0	0.0		0.0		
Surirella	12.4	66.5	36.0	16.1		48.5		
Synedra	12.4	26.6	18.6	0.0		32.4		
Tabellaria	74.3	13.3	47.7	112.6		16.2		
Unknown pennate	61.9	26.6	46.5	112.6		97.1		
Euglenophyceae								
Trachelomonas	18.9	17.7	18.4	198.4		75.6		
5/17/75 Afternoon								
Cyanophyceae								
Anacystis	9.5	0.0	5.4	80.6		44.1		
Aphanizomenon	0.0	0.0	0.0	0.0		18.9		
Coccochloris	78.7	46.4	64.7	0.0		63.0		
Oscillatoria	9.5	0.0	5.4	0.0		18.9		

(continued)

TABLE A-20 (continued)

5/17/75 Afternoon	Genus Density Station Means							
Name	17	9	18	12	8	14	15	16
Chlorophyceae								
Actinastrum	236.2	0.0	133.7	161.2		81.9		
Ankistrodesmus	22.1	0.0	12.5	25.2		0.0		
Chlamydomonas	270.8	1065.9	615.9	277.1		434.5		
Chlorella	0.0	0.0	0.0	652.3		0.0		
Closterium	9.5	0.0	5.4	0.0		0.0		
Coelastrum	0.0	324.4	140.8	176.3		44.1		
Crucigenia	0.0	46.4	20.1	35.3		0.0		
Dictyosphaerium	18.9	92.7	51.0	25.2		88.2		
Elaktothrix	0.0	46.4	20.1	0.0		0.0		
Golenkinia	0.0	46.4	20.1	0.0		18.9		
Kirchneriella	0.0	108.1	46.9	0.0		157.4		
Micractinium	415.6	154.5	302.3	330.0		214.1		
Oocystis	0.0	46.4	20.1	0.0		18.9		
Polyedriopsis	0.0	0.0	0.0	0.0		37.8		
Scenedesmus	94.5	926.2	455.7	257.0		510.1		
Schroederia	0.0	46.4	20.1	40.3		107.1		
Selenastrum	0.0	0.0	0.0	88.2		0.0		
Tetraedron	9.5	0.0	5.4	25.2		44.1		
Tetrastrum	31.5	602.5	279.3	0.0		63.0		
Unknown green algae	267.6	355.3	305.7	35.3		176.3		
Westella	28.4	0.0	16.1	0.0		0.0		
Phacotus	0.0	92.7	40.3	0.0		18.9		
Ulothrix	0.0	0.0	0.0	7.6		0.0		
Bacillariophyceae								
Coscinodiscus	32.8	0.0	18.6	29.4		0.0		
Cyclotella	492.6	12752.6	5813.4	997.7		3476.0		
Melosira	985.2	134.2	615.9	733.6		130.4		

(continued)

TABLE A-20 (continued)

5/17/75 Afternoon	Genus Density Station Means							
Name	17	9	18	12	8	14	15	16
Bacillariophyceae								
Stephanodiscus	1773.4	537.0	1236.8	1173.7		695.2		
Achnanthes	0.0	0.0	0.0	0.0		51.8		
Amphora	0.0	0.0	0.0	0.0		51.8		
Asterionella	139.3	122.0	131.8	85.9		207.3		
Cocconeis	17.4	122.0	62.8	0.0		0.0		
Cymatopleura	0.0	0.0	0.0	0.0		51.8		
Diatoma	330.8	122.0	240.2	150.4		207.3		
Fragilaria	243.8	122.0	190.9	85.9		103.7		
Gomphonema	0.0	122.0	53.0	0.0		0.0		
Navicula	34.8	1098.3	496.4	85.9		362.8		
Nitzschia	104.5	1464.4	694.7	64.4		414.6		
Surirella	0.0	122.0	53.0	0.0		51.8		
Synedra	34.8	0.0	19.7	21.5		51.8		
Tabellaria	87.0	0.0	49.3	0.0		0.0		
Unknown pennate	731.3	9030.5	4333.2	1654.3		3679.6		
Euglenophyceae								
Euglena	286.5	46.4	182.3	0.0		126.0		
Trachelomonas	41.0	1251.3	566.2	17.6		409.3		
7/28/75 Afternoon								
Cyanophyceae								
Agmenellum	44.1		42.5	66.7		151.2		
Anabaena	97.6		94.0	144.8		143.3		
Anacystis	40595.7		39093.6	19818.3		65465.9		

(continued)

TABLE A-20 (continued)

7/28/75 Afternoon	Genus Density Station Means						
Name	17	9	18	12	8	14	15	16
Cyanophyceae							
Aphanizomenon	1385.4		1334.1	1578.0		1313.0		
Coccochloris	132.3		127.4	25.2		74.0		
Gomphosphaeria	53.5		51.6	15.1		41.0		
Oscillatoria	9.5		9.1	32.7		0.0		
Rhaphidiopsis	144.9		139.5	7.6		9.5		
Unknown blue-green cell(s)	0.0		0.0	7.6		0.0		
Chlorophyceae							
Actinastrum	0.0		0.0	0.0		9.5		
Binuclearia	0.0		0.0	7.6		0.0		
Chlamydomonas	126.0		121.3	42.8		152.7		
Chlorella	0.0		0.0	147.3		0.0		
Coelastrum	9.5		9.1	34.0		9.5		
Cosmarium	18.9		18.2	7.6		9.5		
Crucigenia	22.1		21.2	0.0		31.5		
Dictyosphaerium	72.4		69.7	129.7		66.2		
Franceia	0.0		0.0	0.0		9.5		
Gloeocystis	9.5		9.1	0.0		0.0		
Golenkinia	31.5		30.3	88.2		44.1		
Kirchneriella	50.4		48.5	0.0		151.2		
Lagerheimia	0.0		0.0	0.0		52.0		
Micractinium	85.0		81.9	60.5		130.7		
Mougeotia	9.5		9.1	0.0		0.0		
Oocystis	264.5		254.7	50.4		203.1		
Pandorina	0.0		0.0	0.0		9.5		
Pediastrum	9.5		9.1	25.2		22.1		
Scenedesmus	815.4		785.3	498.7		664.4		
Schroederia	179.5		172.8	66.7		100.8		

(continued)

TABLE A-20 (continued)

7/28/75 Afternoon	Genus Density Station Means						
Name	17	9	18	12	8	14	15	16
Chlorophyceae								
Selenastrum	0.0		0.0	0.0		9.5		
Staurastrum	0.0		0.0	0.0		18.9		
Tetraedron	0.0		0.0	49.1		9.5		
Tetrastrum	37.8		36.4	0.0		0.0		
Unknown green algae	97.6		94.0	0.0		78.7		
Phacotus	358.9		345.7	322.4		110.2		
Bacillariophyceae								
Coscinodiscus	1258.2		1211.6	1565.1		1349.6		
Cyclotella	566.2		545.3	893.4		1250.9		
Melosira	167.8		161.6	484.5		296.3		
Stephanodiscus	104.9		101.0	409.9		329.2		
Unknown centric	21.0		20.2	0.0		0.0		
Achnanthes	6.7		6.5	49.4		13.5		
Asterionella	3.4		3.3	12.3		20.3		
Cocconeis	3.4		3.3	24.7		6.8		
Cymatopleura	3.4		3.3	0.0		0.0		
Cymbella	0.0		0.0	12.3		6.8		
Diatoma	6.7		6.5	24.7		13.5		
Eunotia	0.0		0.0	0.0		6.8		
Fragilaria	33.7		32.5	148.2		40.6		
Gomphonema	0.0		0.0	61.8		13.5		
Gyrosigma	3.4		3.3	12.3		6.8		
Navicula	20.2		19.5	111.1		74.5		
Nitzschia	208.9		201.2	617.7		358.8		
Rhoicosphenia	0.0		0.0	12.3		0.0		
Surirella	3.4		3.3	37.0		13.5		
Synedra	13.5		13.0	0.0		20.3		
Tabellaria	6.7		6.5	12.3		6.8		
Unknown pennate	23.6		22.7	111.2		81.2		

(continued)

TABLE A-20 (continued)

7/28/75 Afternoon	Genus Density Station Means							
Name	17	9	18	12	8	14	15	16
Euglenophyceae								
Euglena	18.9		18.2	0.0		0.0		
Trachelomonas	9.5		9.1	0.0		0.0		
Dinophyceae								
Ceratium	53.5		51.5	32.8		33.1		
Glenodinium	44.1		42.5	0.0		0.0		
Cryptophyceae								
Cryptomonas	374.7		360.8	0.0		41.0		
9/16/75 Afternoon								
Cyanophyceae								
Agmenellum	166.9	126.0	161.5	50.4		63.0		
Anabaena	204.7	22.1	180.8	7.6		81.9		
Anacystis	664.4	251.9	610.3	123.5		579.3		
Aphanizomenon	894.2	475.4	839.3	929.4		1177.6		
Coccochloris	88.1	31.5	80.7	15.1		0.0		
Gomphosphaeria	154.3	37.8	139.0	15.1		81.9		
Oscillatoria	251.9	18.9	221.4	7.6		18.9		
Rhaphidiopsis	491.2	236.2	457.8	324.9		453.4		
Unknown blue-green cell(s)	0.0	0.0	0.0	15.1		18.9		
Unknown blue-green filament	0.0	0.0	0.0	80.6		0.0		

(continued)

TABLE A-20 (continued)

9/16/75 Afternoon	Genus Density Station Means							
Name	17	9	18	12	8	14	15	16
Chlorophyceae								
Actinastrum	37.8	0.0	32.8	25.2		37.8		
Ankistrodesmus	0.0	22.1	2.9	0.0		0.0		
Binuclearia	214.1	47.3	192.3	219.1		283.4		
Chlamydomonas	711.6	743.1	715.7	337.5		1057.9		
Chlorella	0.0	0.0	0.0	60.4		0.0		
Closterium	18.9	0.0	16.4	0.0		0.0		
Coelastrum	41.0	0.0	35.6	7.6		18.9		
Cosmarium	28.4	0.0	24.6	0.0		0.0		
Crucigenia	28.4	0.0	24.6	25.2		18.9		
Dictyosphaerium	72.4	53.5	69.9	113.4		151.1		
Golenkinia	107.1	81.9	103.7	0.0		132.3		
Kirchneriella	53.6	53.5	53.5	42.8		37.8		
Lagerheimia	28.4	18.9	27.1	15.1		0.0		
Micractinium	75.6	129.1	82.6	68.0		0.0		
Mougeotia	72.4	63.0	71.2	0.0		37.8		
Oocystis	192.1	163.7	188.4	50.4		170.0		
Pandorina	0.0	22.1	2.9	0.0		0.0		
Pediastrum	28.4	18.9	27.1	25.2		81.9		
Scenedesmus	585.7	506.9	575.3	214.1		283.4		
Schroederia	110.2	107.1	109.8	60.5		63.0		
Selenastrum	0.0	9.5	1.3	15.1		0.0		
Sphaerocystis	0.0	0.0	0.0	0.0		63.0		
Staurastrum	9.5	0.0	8.2	0.0		18.9		
Tetraedron	44.1	37.8	43.3	0.0		0.0		
Tetrastrum	85.0	151.1	93.7	15.1		81.9		
Unknown green algae	881.6	94.5	778.5	123.4		107.1		
Phacotus	201.5	126.0	191.6	183.9		220.4		
Ulothrix	9.5	0.0	8.2	0.0		0.0		

(continued)

TABLE A-20 (continued)

9/16/75 Afternoon	Genus Density Station Means							
Name	17	9	18	12	8	14	15	16
Bacillariophyceae								
Coscinodiscus	487.0	331.3	466.6	355.0		1333.1		
Cyclotella	1283.8	3218.0	1537.2	1638.2		2574.3		
Melosira	177.1	473.2	215.9	327.6		413.7		
Stephanodiscus	265.6	662.5	317.6	409.6		275.8		
Achnanthes	3.8	24.2	6.4	0.0		11.9		
Amphora	0.0	0.0	0.0	0.0		11.9		
Asterionella	0.0	0.0	0.0	0.0		11.9		
Cocconeis	3.8	24.2	6.4	17.6		23.7		
Cymatopleura	0.0	0.0	0.0	0.0		11.9		
Cymbella	0.0	12.1	1.6	0.0		0.0		
Diatoma	0.0	12.1	1.6	0.0		11.9		
Eunotia	0.0	0.0	0.0	0.0		11.9		
Fragilaria	15.0	24.2	16.2	17.6		35.5		
Gomphonema	0.0	36.2	4.7	8.8		11.9		
Navicula	22.5	241.2	51.1	149.9		213.1		
Nitzschia	307.3	735.6	363.4	634.7		710.3		
Opephora	0.0	0.0	0.0	0.0		11.9		
Rhoicosphenia	0.0	24.2	3.2	0.0		11.9		
Surirella	11.2	12.1	11.4	17.6		23.7		
Synedra	3.8	12.1	4.9	26.5		23.7		
Tabellaria	0.0	12.1	1.6	0.0		23.7		
Unknown pennate	7.5	36.2	11.3	17.6		47.4		
Euglenophyceae								
Euglena	9.5	0.0	8.2	0.0		56.7		
Trachelomonas	18.9	63.0	24.7	7.6		63.0		

(continued)

TABLE A-20 (continued)

9/16/75 Afternoon	Genus Density Station Means							
Name	17	9	18	12	8	14	15	16
Dinophyceae								
Glenodinium	75.6	0.0	65.7	0.0		81.9		
Cryptophyceae								
Cryptomonas	292.8	144.9	273.5	0.0		126.0		

TABLE B-21. MEAN GROSS PRIMARY PRODUCTIVITY BY STATION AND DATE (mgO^2/liter)

Time Period:	MORNING	AFTERNOON	EVENING
Environmental Conditions and Productivity:			
	11/9/72 - 11/10/72		
Station #1	0.06	-0.03	0.03
Station #2	0.12	0.03	0.00
Station #3	0.06	0.03	0.00
Station #4	0.00	0.15	0.00
Station #5	0.01	0.01	0.00
Station #6	0.03	0.21	--
Station #7	-0.06	--	--
	1/18/73 - 1/19/73 and 1/25/73		
Station #1	0.00	-0.03	0.00
Station #2	0.00	0.00	-0.03
Station #3	0.03	0.00	0.00
Station #4	0.00	-0.03	0.00
Station #5	0.06	0.03	0.03
Station #6	0.00	0.00	0.03
Station #7	0.00	0.00	0.00
	3/30/73 and 4/5/73		
Station #1	0.03	0.00	--
Station #2	0.00	0.00	--
Station #3	0.00	0.00	-0.03
Station #4	--	0.00	0.03
Station #5	0.00	0.00	0.03
Station #6	0.03	0.00	--
Station #7	0.09	0.03	--

(continued)

TABLE A-21 (continued)

Time Period:	MORNING	AFTERNOON	EVENING
Environmental Conditions and Productivity:			
	6/11/73 - 6/13-73		
Station #1	0.36	0.06	0.06
Station #2	0.45	0.15	0.03
Station #3	0.09	0.06	0.03
Station #4	0.24	0.03	0.03
Station #5	0.21	0.09	0.03
Station #6	0.48	0.21	-0.06
Station #7	0.72	0.18	0.03
	8/8/73 - 8/10/73		
Station #1	1.62	0.33	0.03
Station #2	0.51	0.09	0.03
Station #3	0.66	0.48	0.21
Station #4	0.60	0.24	0.12
Station #5	0.72	0.27	0.06
Station #6	0.78	0.48	0.03
Station #7	1.35	0.45	0.03
	9/28/73 - 10/1/73		
Station #1	0.12	0.36	0.06
Station #2	0.12	0.03	0.09
Station #3	0.18	0.03	0.12
Station #4	0.21	0.06	0.03
Station #5	0.21	0.12	0.03
Station #6	0.18	0.18	0.06
Station #7	0.18	0.24	-0.03

(continued)

TABLE A-21 (continued)

Time Period:	MORNING	AFTERNOON	EVENING
Environmental Conditions and Productivity:			
	12/12/73 - 12/14/73		
Station #1	0.12	0.00	-0.03
Station #2	0.15	-0.03	-0.06
Station #3	0.09	0.33	-0.03
Station #4	0.03	-0.03	-0.06
Station #5	0.03	.03	-0.09
Station #6	0.09	----	-0.03
Station #7	----	----	-0.03
	1/31/74 - 2/2/74		
Station #1	0	0.09	0.18
Station #2	-.03	0.03	-0.06
Station #3	.03	-0.03	0.06
Station #4	-.03	-0.03	-0.06
Station #5	.03	0.03	0.06
Station #6	----	----	----
Station #7	----	----	----
	4/10/74 - 4/12/74		
Station #1	.03	0	0.03
Station #2	----	-.03	-0.03
Station #3	.03	.06	0.06
Station #4	.06	.06	-0.06
Station #5	-.03	-.03	0.12
Station #6	.06	-.03	0.03
Station #7	0	-.03	0.03

(continued)

TABLE A-21 (continued)

Time Period:	MORNING	AFTERNOON	EVENING
Environmental Conditions and Productivity:			
	6/11/74 - 6/13/74		
Station #1	0.36	0.33	0.06
Station #2	0.09	0.24	0.06
Station #3	0.24	0.36	0.06
Station #4	0.36	0.30	0.09
Station #5	0.39	0.24	0.06
Station #6	0.57	0.69	0.03
Station #7	0.96	0.33	0.06
	8/14/74 - 8/16/74		
Station #1	0.72	0.75	0.12
Station #2	0.48	0.66	0.06
Station #3	0.30	0.51	0.15
Station #4	0.42	0.45	0.12
Station #5	0.54	0.66	0.09
Station #6	0.51	0.72	0.18
Station #7	0.81	0.63	0.09

(continued)

TABLE A-21 (continued)

Time Period:	MORNING	AFTERNOON	EVENING
Environmental Conditions and Productivity:			
	10/19/74 - 10/21/74		
Station #17	0.40	0.12	0.01
Station #9	0.02	0.02	-0.06
Station #18	0.38	0.12	0.01
Station #12	0.41	0.30	----
Station #8	0.60	0.40	-0.27
Station #14	0.53	0.32	-0.02
Station #15	0.45	0.24	0.02
Station #16	0.27	0.28	-0.02
	1/24/75 - 1/25/75		
Station #17	0.12	----	-0.07
Station #9	-0.02	----	-0.04
Station #18	0.08	----	-0.06
Station #12	0.11	----	-0.06
Station #8	0.02	----	-0.02
Station #14	0.02	----	-0.09
Station #15	----	----	-0.03
Station #16	0.05	----	-0.04
	3/15/75 - 3/17/75		
Station #17	0.02	----	0.00
Station #9	-0.03	----	-0.03
Station #18	-0.01	----	-0.02
Station #12	0.04	----	0.00

(continued)

TABLE A-21 (continued)

Time Period:	MORNING	AFTERNOON	EVENING
Environmental Conditions and Productivity:			
	3/15/75 - 3/17/75 continued		
Station #8	0.14	----	-0.01
Station #14	0.03	----	0.01
Station #15	-0.05	----	0.02
Station #16	0.20	----	0.02
	5/15.75 - 5/18/75		
Station #17	0.11	0.44	0.02
Station #9	0.66	0.34	0.02
Station #18	0.40	0.40	0.02
Station #12	0.33	0.30	-0.06
Station #8	0.44	0.26	0.00
Station #14	0.54	0.27	-0.03
Station #15	0.44	0.54	0.06
Station #16	0.41	0.40	0.11
	7/27/75 - 7/29/75		
Station #17	0.86	0.86	0.02
Station #9	0.47	----	0.06
Station #18	0.85	0.83	0.02
Station #12	0.74	0.31	-0.06
Station #8	0.65	0.41	0.01
Station #14	0.94	0.43	0.01
Station #15	0.85	0.81	0.03
Station #16	0.88	0.94	-0.03

(continued)

TABLE A-21 (continued)

Time Period:	MORNING	AFTERNOON	EVENING
Environmental Conditions and Productivity:			
	9/15/75 - 9/17/75		
Station #17	----	0.81	0.09
Station #9	----	0.26	-0.19
Station #18	----	0.64	0.05
Station #12	----	0.37	-0.04
Station #8	----	0.56	-0.30
Station #14	----	0.66	0.02
Station #15	----	1.49	----
Station #16	----	1.30	----

TABLE A-22. MEAN COMMUNITY RESPIRATION BY STATION AND DATE (mgO^2/liter)

Time Period:	MORNING	AFTERNOON	EVENING
Station			
	11/9/72 - 11/10/72		
1	0.00	0.15	0.00
2	0.09	0.03	0.00
3	0.00	0.03	0.06
4	0.00	0.00	0.06
5	0.00	0.24	0.03
6	0.00	0.21	----
7	0.00	----	----
	1/18/72 - 1/19/73 and 1/25/73		
1	0.00	0.06	0.03
2	0.06	0.21	0.00
3	0.12	0.18	0.03
4	0.06	0.15	0.00
5	0.09	0.09	0.06
6	0.00	0.00	0.03
7	0.00	0.03	0.00
	4/5/73 and 3/30/73		
1	0.00	0.00	----
2	0.00	0.00	----
3	0.03	0.03	0.00
4	----	0.06	0.03
5	0.03	0.00	0.02
6	0.06	0.00	----
7	0.03	0.06	----

(continued)

TABLE A-22 (continued)

Time Period:	MORNING	AFTERNOON	EVENING
Station			
	6/11/73 - 6/13/73		
1	0.09	0.06	0.00
2	0.06	0.15	0.06
3	0.03	0.06	0.03
4	0.03	0.03	0.03
5	0.00	0.03	0.09
6	0.06	0.06	0.18
7	0.09	0.03	0.00
	8/8/73 - 8/10/73		
1	0.75	0.12	-0.03
2	1.41	0.09	0.09
3	0.84	0.18	0.18
4	1.50	0.09	0.12
5	1.50	0.12	0.06
6	1.86	0.15	-0.03
7	1.86	0.15	-0.01
	9/28/73 - 10/1/73		
1	.06	0.06	0.15
2	0.98	0.12	0.12
3	0.03	0.09	0.03
4	0.06	0.03	0.03
5	0.06	0.03	0.03
6	0.03	0.09	-0.03
7	0	0.06	0

(continued)

TABLE A-22 (continued)

Time Period:	MORNING	AFTERNOON	EVENING
Station			
	12/12/73 - 12/14/73		
1	0.03	0.03	0.06
2	0.06	-0.03	-0.09
3	0.12	0.12	0.06
4	0.03	0.03	0.09
5	0.03	0.06	0.09
6	-0.06	----	-0.03
7	----	----	-0.03
	1/31/74 - 2/2/74		
1	0.03	0.06	-0.12
2	-0.03	-0.03	0.03
3	0.03	-0.03	0.03
4	0.03	0.03	0.03
5	0.03	0.03	0.03
6	----	----	----
7	----	----	----
	4/10/74 - 4/12/74		
1	0.03	0	0.03
2	----	-0.01	-0.03
3	0.03	0.06	0.06
4	0.06	0.06	0.06
5	-0.03	-0.03	0.04
6	0.06	-0.03	-0.03
7	0	-0.03	-0.03

(continued)

TABLE A-22 (continued)

Time Period:	MORNING	AFTERNOON	EVENING
Station			
	6/11/74 - 6/13/74		
1	0.03	0.03	0.03
2	0.03	0.03	0.03
3	0.06	0.09	0.03
4	0.06	0.09	0.06
5	0.09	0.09	0.06
6	0.12	0.09	0.06
7	0.12	0.06	0.03
	8/14/74 - 8/16/74		
1	0.15	0.09	0.12
2	0.12	0	0.09
3	0.12	0.18	0.15
4	0.12	0.24	0.15
5	0.09	0.24	0.12
6	0.18	0	0.12
7	0.12	0.24	0.12

(continued)

TABLE A-22 (continued)

Time Period:	MORNING	AFTERNOON	EVENING
Station			
	10/19/74 - 10/21/74		
17	0.13	0.00	0.03
9	0.04	0.02	-0.01
18	0.13	0.00	0.03
12	0.06	0.11	----
8	0.04	0.08	0.08
14	0.05	0.07	-0.03
15	0.04	0.02	0.07
16	0.06	0.06	-0.04
	1/24/75 - 1/25/75		
17	0.00	----	-0.10
9	0.06	----	-0.01
18	0.02	----	-0.07
12	0.10	----	0.11
8	0.05	----	0.08
14	0.02	----	-0.03
15	----	----	0.00
16	-0.03	----	0.04
	3/15/75 - 3/17/75		
17	-0.01	----	-0.02
9	0.07	----	0.00
18	0.04	----	-0.01
12	0.10	----	0.05

(continued)

TABLE A-22 (continued)

Time Period:	MORNING	AFTERNOON	EVENING
Station			
	3/15/75 - 3/17/75 continued		
8	0.18	----	0.03
14	0.10	----	0.06
15	0.02	----	0.02
16	0.02	----	0.03
	5/15/75 - 5/18/75		
17	0.16	0.04	0.00
9	0.00	0.05	0.00
18	0.09	0.04	0.03
12	0.19	0.06	0.01
8	0.13	0.07	-0.16
14	0.09	0.07	0.04
15	0.04	0.06	0.10
16	0.16	0.10	0.17
	7/27/75 - 7/29/75		
17	0.03	0.14	0.00
9	0.12	0.08	0.14
18	0.03	0.14	0.01
12	0.10	0.18	0.08
8	0.13	0.12	0.06
14	0.10	0.15	-0.03
15	0.02	0.19	0.05
16	0.00	0.19	0.01

(continued)

TABLE A-22 (continued)

Time Period:	MORNING	AFTERNOON	EVENING
Station			
		9/15/75 - 9/17/75	
17	----	0.10	-0.01
9	----	-0.18	0.00
18	----	0.06	-0.01
12	----	0.06	0.18
8	----	0.21	-0.05
14	----	0.11	0.26
15	----	0.12	----
16	----	0.23	----

TABLE A-23. MEAN ZOOPLANKTONIC DENSITY BY STATION AND DATE (no/liter)

Species	Station 1	2	3	4	5	6	7
11/09/72 (Morning)							
Keratella cochlearis	4	---	---	---	2	---	---
Keratella quadrata	6	2	---	---	2	2	12
Brachionus calyciflorus	34	6	---	---	---	16	8
Brachionus plicatilis	2	---	---	---	---	---	---
Brachionus angularis	---	---	---	---	---	4	---
Asplanchnapriodonta	2	---	2	4	4	---	---
Chydorus sphaericus	30	6	---	---	4	22	38
Bosmina sp.	---	---	---	---	4	2	10
Tropocyclops prasinus	---	2	---	---	---	---	4
Cyclops vernalis	4	---	---	---	---	---	---
Nauplii	18	8	---	---	2	4	6
Daphnia galeatamendotae	---	---	---	---	---	---	---
Immature cyclopoid	2	---	---	---	---	---	---
Immature calonoid	2	---	---	---	---	---	---
Polyarthra vulgaris	---	---	---	---	---	2	---
Ascomorpha ecaudis	---	---	---	---	---	---	---
Daphnia rectrocurva	2	---	---	---	---	---	2
Kellicottia longispina	2	---	---	---	---	---	---
Epiphanes sp.	---	---	---	---	---	---	---
Euchlanis sp.	---	2	2	---	---	---	---
Monostyla sp.	2	---	---	---	---	---	---
11/09/72 (Night)							
Karatella cochlearis	8	---	---	---	4	---	---
Keratella quadrata	6	2	---	---	---	38	6
Brachionus angularis	---	---	---	---	---	---	---
Brachiornus calyciflorus	13	---	---	---	---	8	16
Asplanchnapriodonta	6	---	---	---	---	4	6
Chydorus sphaericus	5	2	8	---	2	26	44
Tropocyclops prasinus	10	---	---	---	---	2	6
Cyclops vernalis	---	---	---	---	---	---	---
Nauplii	14	4	---	---	2	16	16
Daphnia galeatamendotae	---	---	---	---	---	---	2
Immature cyclopoid	2	---	2	2	---	2	2
Polyarthra vulgaris	---	---	---	---	---	---	2
Ascomorpha ecaudis	---	---	---	---	---	2	---

(continued)

TABLE A-23 (continued)

Species	Station 1	2	3	4	5	6	7
11/09/72 (Night) (continued)							
Daphnia retrocurva	---	---	---	---	---	2	---
Ascomorphella volvocicola	---	---	---	---	2	---	---
Kellicottia longisping	2	---	---	---	---	---	---
Pompholyx sulcata	2	---	---	---	---	---	---
Bosmina sp.	9	---	2	2	---	2	2
11/10/72 (Afternoon)							
Keratella cochlearis	4	---	2	---	---	2	10
Keratella quadrata	14	---	---	---	2	10	24
Brachionus calyciflorus	40	8	---	---	---	12	30
Brachionusplicatilis	---	---	---	---	---	---	2
Brachionus angularis	---	---	---	---	---	---	3
Asplanchna priodonta	8	---	8	2	4	14	50
Chydorus sphaericus	6	---	---	---	---	16	68
Bosmina sp.	4	---	---	2	---	---	6
Tropocyclops prasinus	---	2	---	---	---	---	---
Cyclops vernalis	---	---	---	---	---	6	2
Nauplii	14	8	4	---	2	16	30
Daphnia galeata mendotae	2	---	---	---	---	---	---
Daphnia retrocurva	---	---	---	---	---	---	---
Immature cyclopoid	---	4	---	---	2	---	---
Immature calanoid	---	---	---	---	---	---	---
Polyarthra vulgaris	---	---	---	---	---	6	8
Euchlanis sp.	---	---	---	---	---	---	4
Pompholyx sulcata	---	---	---	---	---	---	2
Lepadella sp.	2	---	---	---	---	---	---
Trichocera multicrinis	---	---	2	---	---	---	---
Diaptomus sicilis	---	---	---	---	2	---	---
Notholca acuminata	---	---	---	---	---	---	---
01/18/73 (Night)							
Kertella cochlearis	---	2	2	---	---	---	---
Keratella quadrata	---	---	---	---	2	---	---
Brachionus calyciflorus	---	---	---	---	---	---	---

(continued)

TABLE A-23 (continued)

Species	Station 1	2	3	4	5	6	7
01/18/73 (Night) (continued)							
Brachionus sp.	---	---	---	---	---	---	2
Brachionus angularis	---	---	---	---	---	---	---
Asplanchnapriodonta	4	---	---	4	---	2	4
Bosmina sp.	---	---	---	---	---	---	---
Diaptomus ashlandi	---	---	---	---	---	---	2
Diaptomus ashlandi	2	---	---	---	---	---	---
Cyclops vernalis	---	---	---	---	---	2	---
Immature cyclopoid	---	---	---	---	---	4	---
Nauplii	4	2	2	2	2	---	---
01/24/73 (Night)							
Asplanchna priodonta	---	2	---	2	6	2	14
Nauplii	2	---	---	---	---	10	---
Bosmina sp.	---	---	---	---	---	---	2
Euchlanis sp.	---	---	---	---	---	2	---
Polyarthravulgaris	---	---	---	---	2	---	---
Keratella cochlearis	---	---	---	2	---	---	---
Keratella quadrata	---	2	---	---	---	---	---
Cyclops vernalis	---	2	---	---	---	---	---
Notholca acuminata	2	---	---	---	---	---	---
01/25/ 73 (Morning)							
Asplanchna priodonta	---	---	---	2	2	2	4
Nauplii	---	---	---	2	---	2	---
Keratella quadrata	---	---	---	---	---	2	---
03/30/73 (Night)							
Keratella cochlearis	---	1	---	---	---	---	---
Keratella quadrata	2	2	4	4	---	---	4
Brachionus calyciflorus	---	---	---	---	---	---	---
Brachionus plicatilis	---	---	---	---	---	2	2
Brachionus angularis	---	---	---	---	---	---	---

(Continued)

TABLE A-23 (continued)

Species	Station 1	2	3	4	5	6	7
03/30/73 (Night) (continued)							
Brachionus havanaensis	---	---	---	---	2	---	---
Notholca acuminata	4	2	---	---	2	---	6
Nauplii	1	5	2	---	2	4	8
Immature cyclopoid	---	---	---	---	---	6	2
Diaptomus ashlandi	1	---	---	---	---	4	6
Cyclops vernalis	---	---	---	---	---	20	4
Diaptomus siciloides	---	---	---	---	---	2	2
Canthocamptus robertocockeri	---	---	---	---	---	---	2
Polyarthra vulgaris	1	---	2	---	---	2	---
Diaptomus sicilis	---	---	---	---	---	2	---
Tropocyclops prasinus	---	---	---	---	---	6	---
Cyclops bicuspidatus	---	---	---	---	---	4	---
Immature calanoid	---	---	---	---	---	2	---
Ascomorpha sultans	---	---	1	---	---	---	---
Filinia longiseta	---	1	---	---	---	---	---
04/05/73 (Afternoon)							
Nauplii	7	8	1	3	1	9	7
Notholca acuminata	3	---	2	3	---	---	2
Polyarthra vulgaris	2	1	1	---	---	1	5
Keratella quadrata	---	1	1	---	---	4	1
Keratella cochlearis	1	---	1	2	---	1	---
Immature cyclopoid	1	1	1	---	---	2	1
Immature calanoid	---	---	1	---	---	---	---
Diaptomus oregonensis	---	---	1	---	---	---	---
Brachionus angularis	---	---	---	1	---	1	---
Brachionus plicatilis	---	1	---	---	---	---	---
Brachionus calyciflorus	1	---	---	---	---	1	1
Filinia longiseta	---	---	---	1	---	---	---
Cyclops vernalis	1	2	---	1	---	---	---
Gastropus sp.	---	---	---	---	1	---	---
Euchlanis sp.	---	---	---	---	---	1	---
Diaptomus ashlandi	4	---	---	---	---	1	1
Diaptomus siciloides	1	---	1	---	---	---	---
Diaptomus sicilis	1	---	---	---	---	1	---
Ascomorpha sultans	---	---	1	---	---	---	1

(Continued)

TABLE A-23 (continued)

Species	Station 1	2	3	4	5	6	7
04/05/73 (Afternoon) (continued)							
Tropocyclops prasinus	---	1	---	---	---	---	---
Asplanchna priodonta	2	3	---	1	1	2	---
04/06/73 (Morning)							
Notholca acuminata	4	---	2	2	---	6	2
Nauplii	2	4	---	---	---	6	2
Keratella cochlearis	---	---	---	---	---	---	2
Keratella quadrata	1	---	4	1	---	---	2
Euchlanis dilatata	---	---	---	---	---	2	---
Brachionus plicatilis	---	---	---	---	---	2	---
Brachionus calyciflorus	---	---	---	4	---	1	---
Diaptomus ashlandi	1	---	---	---	---	3	---
Diaptomus sicilis	---	---	---	---	---	2	---
Diaptomus siciloides	---	---	---	---	---	1	---
Asplanchna priodonta	---	---	2	---	---	1	---
Unknown rotifer	1	---	---	2	---	---	---
Immature cyclopoid	---	2	2	---	---	---	---
Ascomorpha sultans	---	---	2	---	---	---	---
Filinia longiseta	1	---	---	---	---	---	---
06/11/73 (Night)							
Cyclops vernalis	105	101	85	115	55	34	59
Keratella cochlearis	2	6	2	3	3	3	1
Keratella quadrata	1	1	1	2	6	6	1
Daphnia retrocurva	6	15	2	25	4	3	19
Daphnia galeatamendotae	---	1	---	---	---	---	1
Nauplii	34	29	28	49	46	25	57
Polyarthra vulgaris	1	6	---	10	3	1	1
Asplanchna priodonta	1	2	5	---	1	---	1
Immature cyclopoid	13	11	7	9	6	---	1
Euchlanis dilatata	---	---	2	---	---	---	2
Cyclops bicuspidatus	9	16	11	16	6	7	12
Brachionus calyciflorus	---	2	6	1	21	10	9
Brachionus quadridentata	---	---	---	1	---	---	---

(Continued)

TABLE A-23 (continued)

Species	Station 1	2	3	4	5	6	7
06/11/73 (Night) (Continued)							
Immature calanoid	1	4	2	---	---	---	1
Diaptomus siciloides	2	2	2	---	1	1	---
Diaptomus siciloides	---	1	---	---	7	---	---
Bosmina sp.	8	1	14	4	1	14	21
Kellicottia longispina	1	1	4	---	---	1	6
Diaptomus sicilus	---	---	---	---	1	---	---
Epiphanes sp.	1	---	---	---	---	---	---
Diaptomus ashlandi	---	---	---	1	1	1	1
Diaptomus ashlandi	3	5	---	---	1	---	---
Leptodora kindtii	---	---	---	2	---	---	1
Chydorus sphaericus	---	---	1	---	---	---	---
Immature daphnia	---	---	---	1	3	---	---
Filinia longiseta	---	---	---	---	---	1	---
06/12/73 (Noon)							
Cyclops vernalis	88	32	60	34	30	6	32
Cyclops bicuspidatus	10	6	8	4	2	---	2
Nauplii	100	32	58	66	76	34	126
Immature cyclopoid	24	4	12	4	4	4	6
Immature calanoid	6	2	---	2	---	---	2
Keratella cochlearis	12	4	6	14	6	18	48
Notholca acuminata	---	---	2	---	---	---	---
Keratella quadrata	8	2	---	2	2	4	8
Brachionus plicatilis	---	---	---	2	---	---	---
Brachionus calyciflorus	2	4	10	28	24	---	---
Brachionus quadridentata	---	---	---	2	---	---	---
Brachionus angularis	---	---	2	---	---	---	---
Synchaeta stylata	---	---	2	---	---	---	---
Polyarthra vulgaris	16	2	18	48	54	2	16
Pcapholyx sulcata	---	---	---	---	2	---	---
Daphnia retrocurva	18	---	8	4	---	---	2
Diaptomus ashlandi	6	---	2	---	2	---	4
Diaptomus ashlandi	2	---	2	---	---	---	2
Bosmina sp.	26	---	2	4	6	14	8
Diaptomus sicilis	---	---	---	---	2	---	2
Diaptomus sicilis	---	2	---	---	---	---	---

(Continued)

TABLE A-23 (continued)

Species	Station 1	2	3	4	5	6	7
06/12/73 (Night) (continued)							
Diaptomus siciloides	---	---	2	---	---	---	---
Diaptomus siciloides	---	2	---	---	---	---	---
Asplanchna priodonta	2	---	6	6	10	2	---
Monostyla sp.	---	---	---	---	2	---	---
Filinia longiseta	2	---	---	---	---	---	---
Trichocera sp.	---	---	---	---	2	---	---
Filinia brachiata	---	---	---	---	---	2	---
06/13/73 (Morning)							
Cyclops vernalis	78	96	28	80	68	43	11
Cyclops bicuspidatus	10	---	4	20	6	2	---
Nauplii	116	92	93	86	86	196	264
Immature cyclopoid	10	8	---	16	14	21	60
Immature calanoid	2	2	---	---	---	2	2
Daphnia pulex	---	---	---	2	---	---	---
Daphnia retrocurva	36	---	2	38	10	4	2
Daphnia galeata	2	---	---	---	---	---	---
Keratella Cochlearis	10	2	8	16	30	36	32
Tropocyclops prasinus	---	---	---	2	2	---	1
Keratella quadrata	8	---	2	2	8	10	5
Polyarthra vulgaris	2	4	2	4	10	21	18
Notholca acuminata	---	---	---	---	---	2	---
Bosmina sp.	10	---	4	10	2	25	9
Diaptomus sicilis	2	2	---	---	---	---	---
Asplanchna priodonta	---	---	---	4	---	---	2
Chydorus sphaericus	2	---	---	---	---	---	---
Kellicottia longispina	6	2	6	4	2	---	2
Monostyla sp.	---	---	---	---	---	---	2
Brachionus angularis	2	2	2	4	6	2	2
Brachionus quadridentata	---	---	---	---	---	---	2
Brachionus calyciflorus	4	---	---	---	---	2	16
Immature daphnia	4	---	---	---	---	2	---
Diaptomus ashlandi	---	---	---	---	---	2	---
Diaptomus ashlandi	2	---	---	4	---	---	---
Diaptomus oregonensis	---	---	---	---	---	2	---
Diaptomus siciloides	---	4	---	6	16	---	---

(Continued)

TABLE A-23 (continued)

Species	Station 1	2	3	4	5	6	7
06/13/73 (Morning) (Continued)							
Euchlanis sp.	---	2	---	---	---	---	---
Eosphora sp.	---	---	---	---	2	---	---
Pompholyx sulcata	---	---	2	---	---	2	2
08/08/73 (Night)							
Cyclops vernalis	190	32	116	132	270	156	174
Cyclops vicuspidatus	2	---	---	---	---	---	---
Bosmina sp.	16	10	12	18	12	22	12
Nauplii	30	14	12	38	34	28	24
Diaptomus siciloides	8	---	5	6	6	12	2
Diaptomus siciloides	12	2	8	14	12	26	18
Daphnia retrocurva	34	2	22	22	38	18	24
Daphnia galeata mendotae	8	---	---	---	---	2	---
Leptodora kinditti	4	---	4	---	---	6	4
Immature daphnia	20	2	8	4	14	10	---
Diaphanosoma sp.	2	---	---	---	---	---	---
Polyarthra vulgaris	6	---	2	---	---	6	8
Immature calanoid	4	---	---	---	---	---	---
Immature cyclopoid	---	2	14	---	6	---	4
Tropocyclops prasinus	2	2	2	---	---	---	2
Brachionus angularis	2	---	---	---	---	2	---
Brachionus calyciflorus	---	---	---	6	---	---	2
Keratella cochlearis	6	---	---	6	---	6	2
Keratella quadrata	---	---	---	---	---	4	---
Kellicottia longispina	2	2	---	---	---	---	---
Chydorus sphaericus	---	---	---	---	---	---	---
Trichocera sp.	---	---	---	2	---	---	---
Alona sp.	---	---	---	---	2	---	---
Pompholyx sulcata	---	---	---	---	---	2	2
08/09/73 (Afternoon)							
Cyclops vernalis	250	122	246	190	180	288	226
Tropocyclops prasinus	---	---	---	10	---	2	---
Daphnia retrocurva	82	18	14	10	24	8	20

(Continued)

TABLE A-23 (continued)

Species	Station 1	2	3	4	5	6	7
08/09/73 (Afternoon) (Continued)							
Daphnia galeata mendotae	---	---	---	2	---	2	---
Bosmina sp.	34	20	4	6	6	20	56
Diaptomus ashlandi	---	---	---	---	---	2	---
Nauplii	30	40	42	36	28	48	48
Diaptomus siciloides	20	6	10	8	4	26	58
Diaptomus siciloides	16	---	6	10	8	24	12
Diaptomus socilis	---	---	---	---	---	---	---
Pompholyx sulcata	8	---	---	---	---	4	12
Keratella cochlearis	34	---	2	10	8	2	54
Keratella quadrata	---	---	---	---	2	---	2
Immature daphnia	46	4	4	2	---	---	---
Leptodora kinditti	4	---	---	2	---	---	2
Immature cyclopoid	8	12	16	10	---	10	6
Immature calanoid	4	---	2	---	---	---	2
Polyarthra sp.	4	2	2	10	4	---	8
Alona sp.	---	2	2	---	---	2	---
Asplanchna sp.	---	2	---	---	---	2	---
Brachionus angularis	---	---	---	---	---	2	---
Brachionus caudates	---	6	---	4	---	---	---
Brachionus hauanaensis	---	10	---	4	2	6	2
Brachionus calyciflorus	---	16	---	2	---	---	---
Unknown rotifer	---	14	---	---	---	---	---

(continued)

TABLE A-23 (continued)

Species	Station 17	9	12	8	14	15	16
08/10/73 (Morning)							
Keratella cochlearis	45.5	2.0	12.0	18.0	22.0	28.0	20.0
Brachionus calyciflorus	4.5	24.0	----	6.0	4.0	2.0	----
Brachionus angularis	----	2.0	----	----	2.0	10.0	4.0
Brachionus haranagensis	2.5	18.0	----	14.0	18.0	6.0	----
Brachionus quadridentata	----	2.0	2.0	4.0	2.0	2.0	----
Brachionus candatus	2.5	6.0	----	----	4.0	2.0	----
Brachionus sp.	----	2.0	----	----	----	----	----
Asplanchna sp.	14.5	42.0	16.0	6.0	2.0	18.0	22.0
Piatyias sp.	----	2.0	----	----	----	----	----
Polyarthra sp.	16.5	2.0	12.0	10.0	12.0	6.0	16.0
Pompholyx sp.	----	----	----	2.0	----	----	----
Euchlanis sp.	----	----	----	2.0	----	----	----
Kellicottia longispina	----	----	----	2.0	----	----	----
Trichocera cylindrica	----	----	----	2.0	----	4.0	2.0
Filinia longiseta	----	2.0	----	----	----	4.0	----
Diophanosoma leuchtenbergianum	----	----	----	4.0	----	----	----
Daphnia retrocurva	48.5	6.0	28.0	22.0	18.0	10.0	16.0
Daphnia galeata mendotae	----	----	----	----	2.0	----	----
Bosmina sp.	55.5	26.0	32.0	38.0	36.0	38.0	54.0
Ceriodaphnia lacustris	----	----	----	2.0	----	----	----
Alona sp.	----	----	----	----	2.0	2.0	----
Diaptomus siciloides	45.0	4.0	50.0	38.0	18.0	46.0	4.0
Cyclops vernalis	305.0	14.0	120.0	78.0	120.0	88.0	82.0
Immature cyclopoids	----	6.0	6.0	4.0	4.0	10.0	12.0
Nauplii	66.0	36.0	22.0	52.0	64.0	88.0	96.0
Unknown #1	----	4.0	----	----	----	----	----
09/28/73 (Evening)							
Keratella cochlearis	66.0	24.0	54.0	43.5	66.0	39.0	22.5
Brachionus calyciflorus	73.5	67.5	66.0	46.5	67.5	30.0	51.0
Brachionus angularis	10.5	1.5	6.0	3.0	10.5	----	----
Brachionus harangensis	6.0	4.5	3.0	3.0	----	----	4.5
Brachionus guadridentata	4.5	----	4.5	1.5	9.0	1.5	----
Brachionus candatus	1.5	----	----	----	----	----	----

(Continued)

TABLE A-23 (continued)

Species	Station 17	9	12	8	14	15	16
09/28/73 (Evening) (Continued)							
Asplancha sp.	9.0	18.0	4.5	7.5	7.5	7.5	4.5
Polyarthra sp.	37.5	10.5	31.5	40.5	45.0	19.5	12.0
Kotaria neptunia	1.5	1.5	----	1.5	1.5	----	----
Ploesoma sp.	1.5	----	1.5	3.0	----	----	----
Filinia longiseta	----	----	----	3.0	----	----	----
Trichocerca cyclindrica	18.0	13.5	13.5	15.0	13.5	7.5	7.5
Trichocerca multicrinis	1.5	----	1.5	----	1.5	----	----
Trichocerca longiseta	----	----	----	----	1.5	----	----
Monostyla sp.	----	----	----	1.5	----	----	----
Synchaeta sp.	25.5	63.0	15.0	22.5	9.0	10.5	1.5
Cephalodella sp.	----	1.5	----	----	----	----	1.5
Diaphanosomia leuchtenbergiamim	----	----	----	1.5	----	----	----
Bosmina sp.	19.5	10.5	16.5	27.0	18.0	9.0	22.5
Chydorus sphaericus	----	----	----	----	1.5	----	----
Alona sp.	1.5	----	----	1.5	----	----	----
Daphnia retiocurva	----	----	----	----	----	----	1.5
Immature daphnia sp.	----	----	----	1.5	----	----	----
Eurytremora affinis	----	----	----	----	4.5	1.5	1.5
Diaptomus sicilis	----	----	1.5	----	----	----	----
Diaptomus siciloides	3.0	----	----	----	----	----	----
Immature calanoids	4.5	----	1.5	1.5	3.0	3.0	1.5
Cyclops vernalis	1.5	----	4.5	1.5	3.0	1.5	3.0
Tropocyclops prasinus	----	1.5	----	3.0	1.5	----	4.5
Immature cyclopoids	10.5	6.0	6.0	12.0	1.5	4.5	7.5
Nauplii	25.5	18.0	21.0	27.0	25.5	13.5	16.5
Unknown #1	----	----	----	----	----	1.5	----
Unknown #2	----	----	----	----	1.5	----	----
Brachionus budapestinensis	13.5	4.5	13.5	21.0	12.0	7.5	9.0
Trichotria sp.	----	----	----	----	1.5	----	----
09/29/73 (Afternoon)							
Keratella cochlearis	124.5	31.5	48.0	48.0	85.5	64.5	67.5
Keratella quadrata	----	----	----	----	3.0	----	----
Brachionus calyciflorus	37.5	78.0	54.0	58.5	72.0	43.5	30.0

(Continued)

TABLE A-23 (continued)

Species	Station 17	9	12	8	14	15	16
09/29/73 (Afternoon) (Continued)							
Brachionus angularis	1.5	1.5	7.5	7.5	12.0	12.0	6.0
Brachionus havanaeisis	6.0	6.0	6.0	13.5	3.0	6.0	6.0
Brachionus condatus	----	1.5	----	----	1.5	----	1.5
Brachionus quadridentata	1.5	----	4.5	6.0	----	1.5	1.5
Asplanchna sp.	6.0	12.0	10.5	22.5	16.5	12.0	3.0
Polyarthra sp.	117.0	9.0	25.5	34.5	39.0	42.0	42.0
Roteria neptunia	----	6.0	----	1.5	----	----	----
Trichocerca cylindrica	78.0	1.5	12.0	12.0	19.0	28.5	43.5
Filinia longiseta	----	----	----	----	1.5	----	----
Synchaeta sp.	27.0	18.0	25.5	9.0	24.0	6.0	4.5
Euchlanis sp.	----	----	----	3.0	----	----	----
Trichocerca multicrinis	----	6.0	----	1.5	----	----	----
Ploesoma sp.	1.5	----	----	1.5	----	1.5	----
Kellicottia longispina	1.5	----	----	1.5	----	----	----
Notholea acuminata	----	----	1.5	----	----	----	3.0
Chydorus sphaericus	----	----	----	----	3.0	1.5	----
Daphnia retrocurva	----	----	1.5	----	----	----	----
Leptodora kindtii	----	----	1.5	----	----	----	----
Diaptomus siciloides	----	----	----	3.0	----	----	----
Diaptomus ashlandi	----	----	----	----	----	----	1.5
Immature calanoids	1.5	----	7.5	----	1.5	1.5	----
Cyclops vernalis	----	----	3.0	1.5	3.0	3.0	4.5
Tropocyclops prasinus	----	----	1.5	----	3.0	----	----
Immature cyclopoids	6.0	3.0	13.5	10.5	6.0	7.5	1.5
Nauplii	45.0	42.0	25.5	40.5	45.0	31.5	45.0
Brachionus budapestineasis	21.0	4.5	27.0	42.0	36.0	22.5	22.5
Unknown #1	----	1.5	1.5	----	----	----	----
Unknown #2	----	1.5	----	----	----	----	----
Bosmina sp.	25.5	12.0	13.5	24.0	21.0	15.0	60.0
09/30/73							
Keratella cochlearis	85.5	42.0	36.0	36.0	31.5	28.5	22.5
Brachionus calyciflorus	43.5	27.0	43.5	15.0	33.0	15.0	36.0
Brachionus angularis	9.0	4.5	3.0	4.5	----	1.5	----
Brachionus havaraensis	10.5	3.0	3.0	7.5	7.5	1.5	----

(Continued)

TABLE A-23 (continued)

Species	Station 17	9	12	8	14	15	16
09/30/73 (Morning) (Continued)							
Brachionus quadridentata	1.5	----	1.5	3.0	3.0	1.5	1.5
Brachionus candatus	----	3.0	----	3.0	----	----	1.5
Brachionus plicatilis	1.5	----	----	----	----	----	----
Asplanchna sp.	18.0	4.5	4.5	10.5	4.5	4.5	6.0
Polyarthra sp.	84.0	49.5	24.0	30.0	45.0	13.5	15.0
Rotaria neptunia	----	----	----	1.5	----	----	----
Ploesoma sp.	----	----	----	1.5	----	----	----
Trichocerca cylindrica	30.0	21.0	4.5	6.0	12.0	18.0	9.0
Synchaeta sp.	----	----	1.5	1.5	1.5	3.0	1.5
Cephalodella sp.	----	1.5	----	----	----	1.5	----
Brachionus budapestinensis	9.0	6.0	4.5	1.5	----	9.0	13.5
Monostyla sp.	1.5	3.0	1.5	4.5	----	----	----
Euchlanis sp.	----	----	----	----	----	1.5	----
Leptodora kindtii	1.5	----	----	----	----	----	----
Bosmina sp.	25.5	9.0	9.0	9.0	34.5	1.5	4.5
Piaphanosoma leuchtenbengionum	----	----	----	----	----	1.5	----
Daphnia galeata mendotae	----	----	1.5	----	----	----	----
Diaptomus sicilis	----	----	1.5	----	----	----	----
Immature calanoids	----	----	3.0	3.0	1.5	----	----
Cyclops vernalis	9.0	1.5	3.0	3.0	----	3.0	1.5
Tropocyclops prasinus	----	----	----	----	1.5	----	----
Immature cyclopoids	7.5	----	4.5	4.5	1.5	6.0	3.0
Nauplii	27.0	7.5	3.0	7.5	16.5	10.5	16.5
Keratella serrulata	----	1.5	----	----	----	----	----
Unknown #1	----	----	1.5	----	----	1.5	----
Keratella quadrata	----	----	----	----	1.5	----	----

TABLE A-23 (continued)

Species	Station 17	9	12	8
12/12/73 (Night)				
Keratella cochlearis	.5	.2	---	.2
Keratella earlinae	6	---	---	---
Keratella quadrata	4.5	.5	2	1
Briochionus calyciflorus	8	1.5	---	---
Synchaeta sp.	4.5	4	---	---
Polyarthra sp.	8.5	2	---	---
Kellicottia longispina	.5	---	---	---
Bosmina sp.	4.5	1	---	.2
Chydorus sphaericus	.5	---	---	---
Cyclops bicuspidatus	---	1.5	---	---
Cyclops vernalis	---	1	---	---
Immature cyclopoids	2	---	1	.5
Nauplii	5.5	3	1	2.5
12/13/73 (Afternoon)				
Keratella cochlearis	1.5	8	2.5	2
Keratella carlinae	6.5	5.5	---	---
Keratella quadrata	2	1.5	---	---
Brachionus calyciflorus	2.5	1	1	.5
Sychaeta sp.	12	8	---	.5
Polyarthra sp.	3.5	11	2	1
Filinia longiseta	---	1	---	---
Asplanchna sp.	---	---	1.5	---
Bosmina sp.	2	---	---	2
chydorus sphaericus	.5	---	.5	---
Cyclops vernalis	2.5	---	---	---
Immature cyclopoids	2.5	1	2	.5
Nauplii	7.5	8	1.5	.5
01/31/74 (Night)				
Keratella cochlearis	---	.5	---	.5
Keratella quadrata	1	---	1	1
Keratella earlinae	---	---	---	.5

(Continued)

TABLE A-23 (continued)

Species	Station 17	9	12	8
01/31/74 (Night) (Continued)				
Brachionus calyciflorus	1	.5	---	.5
Brachionus urecolaris	---	---	15	---
Brachionus quadridentata	---	---	---	.5
Brachionus angularis	---	.5	---	---
Synchaeta sp.	---	1.5	---	.5
Polyarthra sp.	3	2	---	.5
Asplanchna sp.	---	---	15	---
Notholca sp.	---	---	---	9.5
Bosmina sp.	---	2	---	1
Chydorus sphacricus	---	---	---	.5
Immature cyclopoids	---	1	.5	1
Nauplii	1	---	1	3
02/1/74 (Afternoon)				
Keratella cochlearis	.5	---	1	---
Keratella quadrata	---	.5	---	.5
Brachionus calyciflorus	---	---	---	.5
Synchaeta sp.	---	2	---	1.5
Polyarthra sp.	---	.5	2	.5
Nitholea sp.	---	---	---	2
Kellicottia longispina	---	.5	---	---
Rotaria neptunia	---	---	---	2.5
Bosmina sp.	.5	1	1	---
Daphnia retrocurva	.5	---	---	---
Cyclops bicuspidatus	.5	---	---	---
Cyclops vernalis	---	---	.5	---
Immature cyclopoids	.5	---	.5	---
Nauplii	---	---	.5	.5
04/07/74 (Night)				
Keratella quadrata	---	---	.5	---
Brachionus calyciflorus	2	---	1	1

(Continued)

TABLE A-23 (continued)

Species	Station 17	9	12	8
04/07/74 (Night) (Continued)				
Brachionus urceolaris	---	.5	---	.5
Brachionus angelaris	5.5	.5	---	---
Polyanthra sp.	---	.5	.5	---
Filinia longiseta	1.5	---	---	---
Asplanchna sp.	1	---	---	---
Notholca sp.	1	2	.5	1.0
Kellicottia longispina	.5	---	---	---
Cephalodella sp.	---	15	---	---
Cyclops vernalis	.5	---	---	---
Diaptomus ashlandi	.5	---	---	---
Immature cyclopoid	---	.5	.5	---
Nauplii	3	2.5	2.5	2.5
04/08/74 (Afternoon)				
Keratella quadrata	---	.5	---	---
Brachionus calyciflorus	.5	---	---	1.5
Brachionus urceolaris	---	---	---	1.0
Brachionus candatus	---	.5	---	---
Brachionus sp.	---	---	.5	---
Synchoeta sp.	---	---	.5	.5
Filinia longiseta	---	.5	---	---
Nothoka sp.	---	.5	---	---
Euchlaris sp.	---	---	---	.5
Gastropus sp.	.5	---	---	---
Cyclops bicuspidatus	---	---	.5	---
Diaptomus ashlandi	.5	---	---	---
Immature cyclopoid	.5	---	---	---
Nauplii	1	1	1.5	.5

(Continued)

TABLE A-23 (continued)

Species	Station 17	9	12	8
06/11/74 (Night)				
Keratella cochlearis	4	4	4	2
Keratella quadrata	8	---	4	2
Keratella earlinae	2	---	---	---
Brachionus calycifloris	---	6	---	4
Brachionus angularis	2	18	---	---
Brachionus candatus	---	2	---	---
Brachionus havanacinsis	---	10	---	---
Brachionus budapestinensis	---	2	---	2
Synchaeta sp.	2	---	---	---
Polyarthra sp.	4	2	2	4
Asplanchna sp.	---	18	---	---
Kellicottia longispina	4	4	10	2
Tricholerca sp.	8	---	2	---
Conochius sp.	---	2	---	2
Bosmina sp.	22	12	22	14
Daphnia retrocurva	20	4	16	8
Daphnia galeata mendotae	---	---	2	---
Diaphanosoma sp.	---	10	---	---
Leptodora kindtii	2	---	---	---
Immature daphnia sp.	---	2	2	2
Cyclops bicuspidatus	6	2	---	4
Cyclops vernalis	28	12	34	14
Immature cyclopoids	12	6	8	10
Diaptomus ashlandi	---	4	2	4
Diaptomus siciloides	10	---	2	4
Immature calanoids	6	---	---	---
Nauplii	84	42	36	68
06/12/74 (Afternoon)				
Keratella cochlearis	4	4	4	8
Keratella quadrata	4	---	6	---
Brachionus calycitloris	---	8	---	---
Brachionus angularis	2	20	8	10
Brachionus havanaensis	---	16	2	---
Brachionus uiceolaris	---	8	---	---

(Continued)

TABLE A-23 (continued)

Species	Station 17	9	12	8
06/12/74 (Afternoon) (Continued)				
Synchaeta sp.	---	---	---	2
Polyarthra sp.	12	12	2	2
Asplanchna sp.	---	12	2	2
Filinia longiseta	---	6	---	---
Kellicottia longispina	---	---	4	---
Trichocerca sp.	2	2	4	2
Conochilus sp.	6	---	---	6
Lecane sp.	---	2	---	---
Bosmina sp.	56	16	14	32
Daphnia retidcurva	86	2	18	20
Chydorus sphaericus	---	4	---	---
Diaphansoma sp.	---	4	---	---
Leptodora kindtii	2	---	---	---
Ceriodaphnia sp.	---	---	2	---
Cyclops bicuspidatus	4	2	---	8
Cyclops vernalis	12	10	2	26
Immature cyclopoids	12	---	10	6
Diptomus ashlandi	---	---	2	2
Diaptomus sicilis	---	---	---	4
Immature calanoids	---	---	2	2
Nauplii	160	64	82	96
08/14/74 (Night)				
Keratella cochlearis	8	36	10	16
Keratella quadrata	---	2	2	---
Keratella earlinae	4	---	---	2
Brachionus calyciflorus	---	32	10	8
Brachionus angularis	60	60	48	48
Brachionus candatus	---	6	---	---
Brachionus havanaensis	---	56	---	---
Brachionus urceoloris	---	4	---	---
Brachionus budapetinensis	18	6	8	2
Synchaeta sp.	100	74	60	54
Polyarthra sp.	---	---	2	---
Asplanchna sp.	---	22	10	2

(Continued)

TABLE A-23 (continued)

Species	Station 17	9	12	8
08/14/74 (Night) (Continued)				
Filinia longiseta	---	2	---	2
Trichocerca sp.	56	18	20	16
Pompholyx sp.	---	---	---	2
Chromogaster sp.	2	2	2	---
Bosmina sp.	4	2	8	2
Chydorus sphaericus	---	2	6	6
Cyclops bicuspidatus	---	---	2	---
Cyclops vernalis	2	4	4	2
Immature cyclopoids	12	10	16	20
Diaptomus siciloides	---	---	4	---
Eurytemora affinis	2	---	---	---
Immature calanoids	---	---	2	---
Nauplii	84	66	178	106
08/15/74 (Afternoon)				
Keratella cochlearis	16	8	34	30
Keratella quadrata	2	2	---	---
Keratella earlinae	4	---	---	---
Keratella volga	---	---	---	4
Brachionus calyciflorus	2	14	10	20
Brachionus angularis	96	76	48	76
Brachionus candatus	---	64	10	6
Brachionus havanaensis	---	44	---	6
Brachionus budapestinensis	28	24	8	6
Brachionus quadridentata	---	14	---	---
Synchaeta sp.	390	90	114	116
Polyarthra sp.	4	2	---	2
Asplanchna sp.	4	14	2	4
Trichocerca sp.	28	4	24	32
Pompholyx sp.	---	---	---	2
Chromogaster sp.	4	---	4	4
Ploesoma sp.	---	2	---	---
Gastropus sp.	---	2	---	---
Bosmina sp.	---	2	---	2

(Continued)

TABLE A-23 (continued)

Species	Station 17	9	12	8
08/15/74 (Afternoon (Continued)				
Daphnia retrocurva	2	---	---	---
Diaphanosoma sp.	2	---	2	2
Immature cyclopoids	16	4	30	30
Nauplii	248	54	144	110
10/19/74 (Night)				
Keratella cochlearis	36	4	10	14
Keratella quadrata	14	2	8	14
Keratella earlinaw	---	---	---	2
Brachionus calyciflorus	32	10	40	58
Brachionus havanaensis	2	---	---	---
Synchaeta sp.	284	118	196	370
Polyurthra sp.	42	10	12	46
Asplanchna sp.	26	16	16	44
Filinia longiseta	---	---	---	4
Euchlanis sp.	---	---	2	---
Bosmina sp.	74	32	52	96
Chydorus sphaericns	14	8	16	20
Diaphanosoma sp.	---	---	---	2
Alona sp.	2	---	---	---
Cyclops vernalis	---	2	6	4
Immature cyclopoids	6	---	2	2
Eurytremora affinis	---	4	2	---
Immature calanoids	---	---	---	8
Nauplii	10	10	8	16
10/21/74 (Afternoon)				
Keratella cochlearis	34	4	16	14
Keratella quadrata	8	2	18	16
Keratella earlinas	12	---	---	2
Brachionus calyciflorus	44	8	28	46
Brachionus angularis	---	---	4	---
Synchaeta sp.	262	118	258	284

(Continued)

TABLE A-23 (continued)

Species	Station 17	9	12	8
10/21/74 (Afternoon) (Continued)				
Polyarthra sp.	44	6	34	44
Asplanchna sp.	34	16	28	26
Trichocerca sp.	2	---	2	2
Chromogaster sp.	2	---	---	2
Bosmina sp.	36	16	48	52
Chydorus sphaericus	34	10	10	16
Cyclops vernalis	2	4	---	2
Immature cyclopoids	14	---	6	---
Eurytrenora attinis	---	2	---	---
Nauplii	26	16	16	10
01/24/75 (Night)				
Keratella cochlearis	2.5	---	---	---
Keratella quadrata	6.7	2.5	6.1	4.5
Keratella earlinae	---	.25		
Keratella hiemalis	1	---	---	---
Brachionus calyciflorus	---	---	.25	---
Brachionus angularis	---	---	---	.25
Synchaeta sp.	.25	.5	1	1
Polyarthra sp.	---	.25	.25	---
Asplanchna sp.	.5	---	---	---
Notholca sp.	---	---	---	.25
Kellicottia longispina	---	---	---	.25
Ascomorpha sp.	.5	---	---	---
Bosmina sp.	---	.75	.25	---
Alona sp.	---	.25	---	---
Ceriodaphnia sp.	---	.25	---	---
Cyclops bicuspidatus	.25	---	---	.5
Cyclops vernalis	---	---	.25	---
Eurytrenora attinis	---	---	---	.25
Nauplii	.25	1	.5	1

(Continued)

TABLE A-23 (continued)

Species	Station 17	9	12	8
01/25/75 (Afternoon)				
Keratella cochlearis	.25	.25	.25	.5
Keratella quadrata	4.7	1	3	5
Keratella earlinae	.25	---	---	---
Brachionus calyciflorus	.25	---	---	.5
Brachionus urceolaris	---	.25	---	---
Synchacta sp.	.25	.5	---	.5
Polyanthra sp.	.5	---	---	---
Asplanchna sp.	1	---	---	---
Kellicottia longispina	---	---	.25	---
Rotaria neptunia	---	5	---	---
Ascomorpha sp.	.25	---	---	---
Bosmina sp.	---	---	.25	.25
Macrothrix sp.	.25	---	---	---
Cyclops bicuspidatus	---	.25	---	---
Cyclops vernalis	---	.25	---	---
Diaptomus siciloides	---	.25	---	---
Diaptomus ashlandi	---	---	.75	---
Diaptomus sicilis	.25	---	---	---
Nauplii	.5	.75	---	1.25
03/16/75 (Night)				
Keratella cochlearis	---	---	.25	---
Keratella quadrata	.5	---	.25	---
Kearlinae	---	.25	---	---
Brachionus calyciflorus	.5	---	---	.5
Brachionus angularis	---	.25	.75	2.5
Brachionus candatus	---	---	---	.75
Synchaeta sp.	.5	---	---	---
Asplanchna sp.	2.2	---	---	---
Notholca sp.	---	.25	---	---
Chromogusterso	---	---	---	---
Cyclops bicuspidatus	.75	---	---	.75
Cyclops vernalis	---	---	---	---
Immature cyclopoids	.5	---	.25	.25

(Continued)

TABLE A-23 (continued)

Species	Station 17	9	12	8
03/16/75 (Night) (Continued)				
Diaptomus sicilis	1	---	---	---
Diaptomus minutus	.25	---	---	---
Nauplii	3.5	.75	.5	.5
03/15/75 (Afternoon)				
Keratella cochlearis	---	.25	---	---
Keratella quadrata	.25	---	---	---
Brachionus calyciflorus	---	---	---	.25
Brachiomus angularis	.25	.5	---	1.2
Synchaeta sp.	---	.25	---	.5
Notholca sp.	---	.25	.5	.75
Chrorioguster sp.	.25	---	---	---
Cyclops bicuspidatus	2	---	.5	.25
Immature cyclopoids	1	---	---	.25
Diaptomus ashlandi	1.5	---	.75	---
Diaptomus minutus	.5	---	---	---
Nauplii	5.2	.75	1.2	1.2
05/16/75 (Night)				
Keratella cochlearis	9	3	---	3
Keratella quadrata	159	13	76	58
Kearlinae	---	1	---	---
Brachionus calyciflorus	39	4	16	25
Brachionus angularis	5	6	8	19
Brachionus caudatus	1	---	---	---
Brachionus urceolaris	5	---	7	13
Brachionus quadridentata	2	2	5	1
Synchaeta sp.	197	6	59	32
Polyarthra sp.	5	---	---	2
Filinia longiseta	2	---	---	1
Asplanchna sp.	1	---	1	2
Kellicottia longispina	---	1	---	---
Notholca sp.	4	1	2	3
Daphnia retrocurva	1	---	---	1

(Continued)

TABLE A-23 (continued)

Species	Station 17	9	12	8
05/16/75 (Night) (Continued)				
Chydorus sphaericus	2	---	---	---
Cyclops bicuspidatus	---	---	7	3
Cyclops vernalis	1	---	---	3
Immature cyclopoids	1	1	4	6
Diaptomus ashlandi	---	---	---	1
Immature calanoids	---	---	---	2
Nauplii	8	2	5	5
05/17/75 (Afternoon)				
Keratella cochlearis	11	3	5	6
Keratella quadrata	17	5	47	63
Keratella earlinae	1	---	1	1
Brachionus calyciflorus	27	2	33	23
Brachionus angularis	3	10	3	9
Brachionus urceolaris	7	1	1	1
Brachionus quadridentata	---	---	1	3
Synchaeta sp.	165	4	68	35
Polyanthra sp.	6	---	1	2
Filinia longiseta	2	1	3	1
Asplonchna	3	1	2	---
Kellicottia longispina	1	---	---	---
Notholca sp.	---	---	3	1
Conochilus sp.	1	---	---	---
Ploesoma sp.	---	---	1	---
Bosmina sp.	---	---	1	---
Daphnia retrocurva	1	---	---	---
Chydorus sphaericus	---	---	1	---
Cyclops bicuspidatus	---	---	---	---
Cyclops vernalis	---	---	---	---
Immature cyclopoids	2	2	---	---
Diaptomus sp.	---	1	---	---
Nauplii	2	2	5	5

(Continued)

TABLE A-23 (continued)

Species	Station 17	9	12	8
07/27/75 (Night)				
Keratella cochlearis	98	8	40	58
Keratella vulga	2	---	---	---
Brachionus calyciflorus	---	18	---	---
Brachionus angularis	12	4	2	---
Brachionus candatus	---	20	---	---
Brachionus havanaensis	---	24	---	---
Brachionus budapestinensis	---	34	4	2
Synchaeta sp.	6	5	---	2
Polyarthra sp.	16	4	4	10
Asplanchna sp.	2	2	4	8
Trichocerca	---	---	---	8
Pompholyx sp.	2	---	4	2
Chromoguster sp.	18	---	8	---
Gastropus sp.	---	2	---	---
Bosmina sp.	6	4	10	8
Daphnia retrocurva	8	20	8	10
Diaphanosoma sp.	---	2	2	---
Leptodora kindtii	---	---	2	---
Cyclops bicuspidatus	---	---	---	---
Cyclops vernalis	14	10	12	12
Immature cyclopoids	10	14	6	2
Immature calanoids	4	---	2	6
Nauplii	28	30	30	36
07/28/75 (Afternoon)				
Keratella cochlearis	82	22	26	38
Brachionus calyciflorus	---	12	8	4
Bracnionus angularis	6	8	10	16
Brachionus candatus	---	14	4	2
Brachionus havanagensis	---	---	12	2
Brachionus budapestinensis	---	8	6	2
Synchaeta sp.	4	4	6	---
Polyarthra sp.	20	2	8	14
Asplanchna sp.	2	2	---	---
Filinia longiseta	---	---	2	---

(Continued)

TABLE A-23 (continued)

Species	Station 17	9	12	8
07/28/75 (Afternoon) (Continued)				
Trichocerca sp.	4	---	4	8
Pompholyx sp.	12	---	6	16
Chromogaster sp.	8	---	---	10
Euchlanis sp.	---	---	---	2
Bosmina sp.	6	---	6	4
Daphnia retrocurva	24	6	4	4
Diaphanosoma sp.	2	4	2	---
Leptodora kindtii	4	2	---	2
Immature leptodora kindtii	4	---	---	---
Cyclops vernalis	---	---	---	6
Immature cyclopoids	2	12	12	4
Diaptomus sicilis	---	---	2	---
Diaptomus aslandi	---	---	---	2
Immature calanoid	---	---	2	---
Nauplii	36	44	54	64
09/15/75 (Night)				
Keratella cochlearis				
Brachionus calyciflorus				
Brachionus angularis				
Brachionus candatus				
Brachionus havanaensis				
Synchaeta sp.				
Polyanthra sp.				
Trichocerca sp.				
Pompholyx sp.				
Chromocaster sp.				
Rotaria sp.				
Bosmina sp.				
Chydorus spnaericus				
Daphnia retrocurva				
Daphnia galeata mendotae				
Cyclops vernalis				
Immature cyclopoids				

(Continued)

TABLE A-23 (continued)

Species	Station 17	9	12	8
09/15/75 (Night) (Continued)				
Diaptomus sp.	---	---	---	2
Immature calanoids	4	---	2	2
Nauplii	20	8	36	36
09/16/75 (Afternoon)				
Keratella cochlearis	76	22	12	16
Keratella earlinae	---	---	2	---
Brachionus calyciflorus	---	4	---	---
Brachionus angularis	62	18	16	24
Brachionus havanaensis	---	6	18	20
Synchacta sp.	40	10	14	4
Polyarthra sp.	46	16	18	8
Asplanchora sp.	---	---	2	6
Trichocerca sp.	10	6	2	4
Pompholyx sp.	18	2	12	10
Chromogaster sp.	2	2	10	6
Bosmina sp.	8	2	8	---
Chydorus sphaericus	44	---	20	66
Daphnia retrocurva	18	---	6	10
Daphamo soma sp.	---	2	---	---
Leptodora kindtii	2	---	2	---
Cyclops bicuspidatus	2	---	---	---
Cyclops vernalis	---	---	2	---
Immature cyclopoids	4	---	4	2
Diaptomus siciloides	---	---	8	---
Diaptomus sicilis	2	---	---	---
Immature calanoids	---	---	2	4
Nauplii	54	10	26	26

TABLE A-24. TUKEY'S MULTIPLE RANGE TEST FOR ZOOPLANKTON DENSITY

Variable	Date*	Station 17[2]	9	18	12	8	14	15	16
Total Zooplankton	6/12/73	a	b	a	a b	a	a b	b	a b
	8/8/73	a	b	a	a	a	a	a	a
	8/9/73	a	b	a	a b	a b	b	a b	a
	8/10/73	a	b	a	a b	a b	a b	a b	a b
	9/28/73	a	b	a	a b	a b	a	b	b
	9/29/73	a	c	a	b c	a b	a b	b c	a b
	10/1/73	a	b	a	b	b	b	b	b
Copepoda	6/12/73	a	a b	a	a b	a b	a b	b	a b
	8/8/73	a	b	a	a	a	a	a	a
	8/9/73	a	b	a	a	a b	a b	a	a
	8/10/73	a	b	a	a	a	a	a	a

*Only those dates with differences are included in the table.

[2]Stations identified with the same letter were not differentiated at $\alpha = 0.05$; a is greater and e is least.

(continued)

TABLE A-24 (continued)

Variable	Date	Station 17	9	18	12	8	14	15	16
Cladocera	8/8/73	a	a	a	a	a	a	a	a
			b		b	b		b	b
	8/9/73	a	a	a			a	a	a
			b	b	b		b	b	b
			c		c	c	c	c	c
	9/29/73	a		a	a	a	a	a	a
			b		b	b	b	b	
	10/1/73	a	a	a	a	a	a		
		b	b	b	b	b			b
			c		c	c		c	c
Rotifera	11/9/72	a						a	a
							b	b	b
			c	c	c	c	c		
	11/10/72	a						a	a
			b	b	b		b	b	
			c	c	c	c	c		
	4/6/73	a		a	a	a	a	a	a
		b	b	b	b		b	b	b
	6/13/73	a		a	a	a	a	a	a
		b	b	b	b		b		
	8/9/73	a	a	a		a	a	a	a
			b		b	b	b	b	
	8/10/73	a	a	a		a	a	a	
		b		b	b	b	b	b	b
	9/28/73	a	a	a	a	a	a		
			b		b	b		b	b

(continued)

TABLE A-24 (continued)

Variable	Date	Station 17	9	18	12	8	14	15	16
	9/29/73	a	c	a	b c	a b c	a b	b c	b c
	10/1/73	a	a b	a	b	b	b	b	b
Cyclops vernalis	6/12/73	a	a b c	a b	a	a b	c d	d	b c d
	6/13/73	a	a b	a b	a b	a	a	a	a b
	8/8/73	a b	b	b	a b	a b	a	a b	a b
	8/10/73	a	b	a b	a	a	a	a	a
Bosmina spp.	6/11/73	b c	d	c	a b	c d	d	a	a
	6/12/73	a b	c	a b	c	b c	b c	a b	a
	6/13/73	b	c	b	b c	b	c	a	b
	8/8/73	b	a	a	a	a	a	a	a

(continued)

TABLE A-24 (continued)

Variable	Date	Station 17	9	18	12	8	14	15	16
	8/9/73	a b	b c	a b	c	c	c	b	a
	9/29/73	a b	c	b c	a b	a b	a b	b c	a b
	10/1/73	a	b c	a b	b	b c	a	c	c
Daphnia retrocurva	6/11/73	a b c	a	b c d	e	a b	c d e	d e	a
	6/12/73	a	c	a b	b c	c	c	c	c
	6/13/73	a	c	a b	c	a b	c	b c	c

TABLE A-25. PERCENT CHANGE IN ZOOPLANKTON NUMBERS IN AQUARIA AFTER TRANSPLANTING FROM THE COOLING SYSTEM

	26-28 June	28 June-1 July	1-10 July	10-17 July
COPEPODS (Mature)				
3-a	50	627	-108	30
3-b	11	320	-197	-80
4-a	8.6	312	-75	-28
4-b	18.0	150	-124	-81
5-a	66	580	-155	-21
5-b	-33	883	-84	-14
Intake-a	126	205	-220	-14
Intake-b	300	190	-43	-239
Control-a	35	41	105	-177
Control-b	63	45	3	-55
COPEPODS (Nauplii)				
3-a	63	274	79	-68
3-b	100	414	39	-124
4-a	137	88	-51	257
4-b	425	-95	-94	108
5-a	363	81	-205	261
5-b	569	0	-6	-122
Intake-a	653	35	14	30
Intake-b	193	72	171	-197
Control-a	100	97	34	-385
Control-b	708	15	12	-257
CLADOCERANS				
3-a	55	50	19	232
3-b	-58	63	-44	156
4-a	37	-23	-275	38
4-b	55	-65	-3	-450
5-a	52	-40	-13	13
5-b	154	-65	10	5
Intake-a	83	-18	-211	-13
Intake-b	29	11	-66	110
Control-a	133	-250	75	600
Control-b	79	-32	47	-87

TABLE A-26. LARVAE CAUGHT IN THE VICINITY OF THE MONROE POWER PLANT (no/100m^3)

Yellow perch

Date	STATION P1[1]	P2	P3	P4	P5
1973					
05/11	13.6[2]	6.3	3.7	3.6	0.3
05/17	0	0.6	0.8	1.7	2.4
06/01	0	0	0.3	1.4	2.9
06/08	0.2	0.4	0.2	0.1	0.1
06/15	0.5	1.7	0.8	0	0.4

Date	P6	P7	P2	P3	P10	P11	P12
1974							
05/10	90.8	10.7	57.6	26.8	37.6	0	0
05/29-30	5.0	0.2	2.8	2.6	15.3	10.7	6.2
06/11	8.0	0.2	20.8	12.5	0.2	0	1.1
06/21		0.4	1.3				
07/01	1.4	0	0	0	0	0	0
07/15			0.2				
07/26							

Date	P6	P7	P2	P3	P10	P11	P12
1975							
05/12-13	48.1	1.4	33.4	2.1	28.0	10.5	65.5
06/02	0.2	0	2.2	1.0	0.2	2.0	0.6
06/25	0	0.2		0	0	0	0
07/09	0	0.2	0	0	0	0	0
07/31							

(continued)

TABLE A-26 (continued)

White bass

Date	P1[1]	P2	P3	STATION P4	P5		
1973							
05/11							
05/17							
06/01							
06/08	0.4	0.5	0.2	0.1	0		
06/15	0.1	11.2	22.9	6.2	3.4		
Date	P6	P7	P2	P3	P10	P11	P12
1974							
05/10							
05/29-30	0.2	0.2	0.5	4.0	3.0	0.2	1.8
06/11	12.4	0.5	90.5	16.8	1.2	1.0	10.6
06/21	0.2	0	0	0.6	0	0	0
07/01	0.6	0	0.2	0.2	0	0	0.2
07/15	2.9	0	2.7	2.4	1.7	2.0	0.2
07/26	0.2	0	7.3	0.4	0.9	7.5	5.4
Date	P6	P7	P2	P3	P10	P11	P12
1975							
05/12-13	0	0	0	0	0	0	0
06/02	2.6	0	2.8	1.3	0.8	4.0	0.8
06/25	0	4.6	3.5	0.3	0	0	0.2
07/09	0	0.9	0.4	0.5	1.3	0	1.4
07/31	0.2	0	0	0	0	0	0

TABLE A-26 (continued)

Smelt

Date	P1[1]	P2	P3	STATION P4	P5
1973					
05/11	3.0[2]	0	0.2	0.4	0.1
05/17	0.2	1.15	1.1	19.3	31.4
06/01	0	0	0	1.7	10.1
06/08	0	0	0	0	0
06/15	0	0	0	0	0

Date	P6	P7	P2	P3	P10	P11	P12
1974							
05/10	0	0	0	0	0.5	0	0
05/29-30	0	0	0	0	0.4	0.9	0.2
06/11	0	0	0	0	0	1.4	0.2
06/21	0	0	0	0	0	0	0
07/01	0.6	0	0	0	0.4	0.4	0
07/15	0	0.4	0	0	0	0	0.2
07/26	0	0	0	0	0	0	0

Date	P6	P7	P2	P3	P10	P11	P12
1975							
05/12-13	0	0	0	0	0	0.2	0.3
06/02	1.2	0	2.3	0.2	0.8	0.2	0.7
06/25	0.7	2.5	0.4	0	0	0	1.5
07/09							
07/31							

(continued)

TABLE A-26 (continued)

Freshwater drum

Date	P1[1]	P2	P3	STATION P4	P5
1973					
05/11					
05/17					
06/01					
06/08					
06/15					

Date	P6	P7	P2	P3	P10	P11	P12
1974							
05/10							
05/29-30	0	0	0	0	0	0	0
06/11	4.3	8.8	11.5	1.6	2.3	1.0	0.8
06/21	0	0	0	0	0	0	0
07/01	0	0	0	0	5.1	6.4	2.6
07/15	12.5	6.2	9.6	6.3	4.3	0.9	2.2
07/26	0	0	0	0	0	0.2	0

Date	P6	P7	P2	P3	P10	P11	P12
1975							
05/12-13	0	0	0.2	0.3	0	0	0
06/02	0	0	0	0	0.2	0.2	0
06/25	0	0	0	0	0	0	0
07/09	0	0	0	0	0.2	0	0
07/31							

(continued)

TABLE A-26 (continued)

Carp - goldfish

Date	P1[1]	P2	P3	STATION P4	P5		
1973							
05/11	1.5[2]	1.7	4.0	0.5	0		
05/17	0.1	1.0	1.9	0.3	0		
06/01	0	2.8	2.7	0.1	0		
06/08	0.5	3.4	0.2	0.1	0		
06/15	1.8	2.4	0.3	0.4	0		
Date	P6	P7	P2	P3	P10	P11	P12
1974							
05/10	0	0.3	32.5	3.5	0	0	0
05/29-30	2.2	0	0	0	1.2	0	0.2
06/11	3.2	53.2	14.4	13.7	0	0	1.4
06/21	0.8	6.3	17.7	1.7	0	0	0
07/01	0.4	22.8	6.2	3.8	0.4	0.6	3.8
07/15	3.4	6.0	3.3	1.3	0	0.7	0.2
07/26		0.2	0.7	0.2			
Date	P6	P7	P2	P3	P10	P11	P12
1975							
05/12-13	0	0.4	2.3	0.2	0	0	0
06/02	0	0	0.2	0.1	0	0	0
06/25	0	5.0	17.4	1.6	0	0	0
07/09	0	13.4	0.4	2.5	0	0	0
07/31	0	0.2	0	0	0	0	0

TABLE A-26 (continued)

Shiners[1]

Date	P1[1]	P2	P3	STATION P4	P5		
1973							
05/11	0	0	0	0	0		
05/17	0	0	0.4	0.1	0		
06/01	0	0	0.5	0.3	0		
06/08	0	5.48	0.5	2.9	0.4		
06/15	0.2	0.1	0.2	0.2	1.6		
Date	P6	P7	P2	P3	P10	P11	P12
1974							
05/10	0	0	0	0	0	0	0
05/29-30	0.8	0	6.0	0.4	0.2	0	0
06/11	0.6	0.2	7.4	1.8	1.6	2.6	5.4
06/21	0.4	1.1	1.3	0	0.4	0	0
07/01	0.2	0.2	0.6	0.6	0	0.2	0.2
07/15		0.6	0.2	0			
07/26	1.8	0.6	2.0	0.6	2.6	3.1	5.4
Date	P6	P7	P2	P3	P10	P11	P12
1975							
05/12-13	0	0	0.5	0	0	0	0
06/02	0	1.8	2.0	1.3	1.3	0	0
06/25	0.5	1.8	1.3	0.3	0.5	0.2	0.8
07/09	0.2	14.6	9.3	3.8	1.5	4.0	0
07/31	0.2	0	0	0	0.2	0	0

(continued)

TABLE A-26 (continued)

Clupeid larvae[4]

Date	P1[2]	P2	P3	STATION P4	P5		
1973							
05/11	0[3]	0	0	0	0		
05/17	0	0	0	0.1	0		
06/01	0	0	2.0	1.7	18.2		
06/08	1.2	1.2	1.8	4.4	0		
06/15	0	2.0	3.4	6.3	0.6		
Date	P6	P7	P2	P3	P10	P11	P12
1974							
05/10	0	0	0	0	0	0	0
05/29-30	1.4	2.0	2.5	15.6	3.2	10.3	8.9
06/11	4.2	3.2	45.2	16.8	8.7	152.8	28.2
06/21	14.3	0	6.2	15.6	8.2	4.9	21.3
07/01	51.7	7.9	23.2	11.3	18.0	40.3	27.8
07/15	23.5	5.6	36.4	44.8	23.3	33.3	49.6
07/26	0.5	6.2	5.8	3.4	5.0	16.2	7.2
Date	P6	P7	P2	P3	P10	P11	P12
1975							
05/12-13	2.1	0.2	0.9	1.3	1.3	0.6	0
06/02	35.8	0.2	41.7	19.4	35.8	5.2	11.8
06/25	0.8	0	10.0	5.0	2.7	7.0	1.8
07/09	0.3	10.9	2.4	8.0	2.9	32.4	5.2
07/31	0	0.2	0	0	0	0	0

(continued)

TABLE A-26 (continued)

Channel catfish

Date	STATION P1[1]	P2	P3	P4	P5
1973					
05/11					
05/17					
06/01					
06/08					
06/15	0	0.2	0	0	0

Date	P6	P7	P2	P3	P10	P11	P12
1974							
05/10							
05/29-30	0	0	2.4	0	0	0	0
06/11							
06/21							
07/01	0.8	0.8	25.9	3.6	0	0	0.2
07/15							
07/26							

Date	P6	P7	P2	P3	P10	P11	P12
1975							
05/12-13							
06/02	0	0	1.5	0.2	0	0	0
06/25	0	1.1	0	0	0	0	0
07/09	0	0.2	0	0	0	0	0
07/31							

(continued)

TABLE A-26 (continued)

Log perch

Date	P1[1]	P2	P3	STATION P4	P5
1973					
05/11	0.1[2]	0	0	0	0
05/17	0	0	0	0	0
06/01	0	0	0	0.2	0
06/08	0	0.1	0	0	0
06/15					

Date	P6	P7	P2	P3	P10	P11	P12
1974							
05/10	0	0	0.1	0	0	0	0
05/29-30	0.2	0	0.2	0	0	0	0
06/11							
06/21							
07/01							
07/15	0.2	0	0	0	0	0	0
07/26							

Date	P6	P7	P2	P3	P10	P11	P12
1975							
05/12-13	0	0.2	0.9	0	0	0	0
06/02	0	0	0.4	0.1	0	0	0
06/25	0	0	0	0	0	0	0
07/09	0.2	0	0	0	0	0	0
07/31							

(continued)

TABLE A-26 (continued)

Sunfish [5]

Date	P1[1]	P2	P3	STATION P4	P5		
1973							
05/11							
05/17							
06/01	0[3]	0.4	1.4	0	0		
06/08	0	0.4	0.1	0.1	0		
06/15	0	0	0	0.4	0		

Date	P6	P7	P2	P3	P10	P11	P12
1974							
05/10							
05/29-30							
06/11	0	8.8	4.3	1.6	0	0	0.4
06/21	4.2				0	0	0
07/01	0	0.6	2.9	1.6	0.2	0.6	0.6
07/15	0.6	1.3	0.4	0.4	0.2	0.2	0.2
07/26		2.5	0.2	0.9			

Date	P6	P7	P2	P3	P10	P11	P12
1975							
05/12-13							
06/02	0	0.4	0.4	0.1	0	0	0
06/25	0	1.6	0.7	0	0	0	0
07/09	0	2.6	0	1.0	0	0	0
07/31	0.2	0.4	0	0	0	0	0

(continued)

TABLE A-26 (continued)

Trout perch

Date	P1[1]	P2	P3	STATION P4	P5
1973					
05/11	0[2]	0	0.1	0	0
05/17	0	0.1	0.2	0	0
06/01					
06/08					
06/15					

Date	P6	P7	P2	P3	P10	P11	P12
1974							
05/10	0.5	0	0.2	0	0	0	0
05/29-30	0	0	0.2	0	0	0	0
06/11							
06/21							
07/01							
07/15							
07/26							

Date	P6	P7	P2	P3	P10	P11	P12
1975							
05/12-13	0.4	0	0.2	0	0	0	0
06/02							
06/25							
07/09							
07/31							

(continued)

TABLE A-26 (continued)

Walleye

Date	STATION P1[1]	P2	P3	P4	P5		
1973							
05/11	0[2]	0.1	0	0.1	0		
05/17							
06/01							
06/08							
06/15							

Date	P6	P7	P2	P3	P10	P11	P12
1974							
05/10	0	0	0	0	0.2	0	0
05/29-30	0.6	0	0	0	0	0	0
06/11							
06/21							
07/01	0.6	0	0	0	0	0	0
07/15							
07/26							

Date	P6	P7	P2	P3	P10	P11	P12
1975							
05/12-13							
06/02							
06/25							
07/09							
07/31							

TABLE A-27. TUKEY'S POST HOC COMPARISON OF MEAN CATCH[1] USING DIFFERENT SAMPLING TECHNIQUES[2]

Clupeids							
5-21	F	A	C	D	E	H	
Mean	0.2314	0	0	0	0	0	
5-23	C	F	D	A	E	H	
Mean	0.4823	0.2891	0.1214	0	0	0	
5-24	F	A	C	D	E	H	
Mean	0.0698	0	0	0	0	0	
6-18	G	H	C	A	F	D	E
Mean	2.7101	2.4386	1.7411	1.2800	1.1721	1.1294	0.5678
6-19	G	C	F	D	E	A	H
Mean	1.8491	0.8921	0.8265	0.3387	0.1200	0	0
6-20	G	F	D	A	C	E	H
Mean	2.0791	0.2868	0.2341	0.1821	0	0	0
Yellow Perch							
5-21	C	D	E	F	A	H	
Mean	0.6104	0.4434	0.3422	0.2891	0	0	
5-23	C	F	D	E	H	A	
Mean	0.5281	0.4434	0.2287	0.1241	0	0	
5-24	D	E	F	C	H	A	
Mean	0.1832	0.1241	0.0713	0	0	0	
6-18	G	H	E	C	F	D	A
Mean	0.9522	0.6926	0.4434	0.0720	0.0611	0	0
6-19	G	E	F	H	C	D	A
Mean	0.4934	0.0700	0.0700	0.0700	0	0	0
6-20	G	C	D	E	F	H	A
Mean	0.5741	0	0	0	0	0	0

(continued)

TABLE A-27 (continuej)

White Bass							
5-23	E	F	A	C	D	H	
Mean	0.2301	0.1421	0	0	0	0	
5-24	E	A	C	D	F	H	
Mean	0.1792	0	0	0	0	0	
6-18	G	H	F	D	C	A	H
Mean	1.4214	0.5687	0.489?	0.3398	0.1821	0	0
6-19	G	D	E	F	A	C	H
Mean	1.3478	0.1184	0	0	0	0	0
6-20	G	D	E	F	A	C	H
Mean	1.3921	0	0	0	0	0	0
Smelt							
5-21	F	D	C	E	A	H	
Mean	0.5687	0.4421	0.2884	0.2315	0	0	
5-23	F	E	C	D	A	H	
Mean	0.3922	0.1794	0.1794	0.1211	0	0	
5-24	E	F	A	C	D	H	
Mean	0.2913	0.0695	0	0	0	0	
6-18	G	C	D	E	F	H	A
Mean	2.6871	0.8867	0.8001	0.8001	0.7619	0.1821	0
6-19	G	H	F	E	D	A	C
Mean	1.3211	0.1800	0.1800	0.1245	0.1245	0	0
6-20	G	A	C	D	E	F	H
Mean	0.4920	0	0	0	0	0	0

(continued)

TABLE A-27 (continued)

Shiners

6-19	G	C	F	E	D	H	A
Mean	1.4234	0.8849	0.7284	0.4911	0.2902	0.1821	0
6-19	G	A	C	D	E	F	H
Mean	0.5342	0	0	0	0	0	0
6-20	G	D	A	C	E	F	H
Mean	0.3871	0.1189	0	0	0	0	0

[1]Mean corrected for normality and homogeneity by $\log (x + 1)$ transformation.

[2]A = Kenco pump
C = Surface net tow
D = Midwater net tow
E = Deep net tow
F = Oblique net tow
G = Bottom sled
H = Modified Hardy Plankton Sampler

TABLE A-28. TUKEY'S POST-HOC COMPARISON OF MEAN CATCH[1] FOR LENGTH OF TIME TOWED[2]

Clupeids					
5-20	3	2	5	1	4
Mean	0.5621	0.5243	0.3384	0.3121	0.2818
5-22	1	5	2	3	4
Mean	0.3621	0.1498	0.0821	0.0645	0.0641
6-18	2	4	3	5	1
Mean	1.6592	1.4234	1.2491	1.1810	1.0498
6-19	5	1	3	2	4
Mean	1.4011	1.2659	1.2541	1.1000	1.0681
Yellow Perch					
5-20	2	5	4	1	3
Mean	0.1834	0.1592	0.1510	0.1434	0.1211
5-22	3	2	4	1	5
Mean	0.2664	0.2311	0.1441	0.1422	0.0291
White Bass					
6-18	5	3	4	2	1
Mean	0.1413	0.1211	0.0941	0.0813	0
6-19	1	5	3	4	2
Mean	0.3738	0.2014	0.1876	0.1711	0
Smelt					
5-22	2	1	3	4	5
Mean	0.3891	0.2210	0.2114	0.1847	0.1181
6-18	1	5	2	3	4
Mean	0.2311	0.1842	0.0834	0.0834	0.0414
6-19	4	5	1	3	2
Mean	0.2231	0.2231	0.1341	0.1217	0

(continued)

TABLE A-28 (continued)

Shiners					
6-18	3	4	5	2	1
Mean	0.2841	0.2408	0.2341	0.2184	0
6-19	4	5	3	2	1
Mean	0.1341	0.0689	0	0	0

[1]Means corrected for normality and homogeneity by log (x + 1).

[2]1 = 1 minute; 2 = 2 minute; 3 = 3 minute; 4 = 4 minute; 5 = 5 minute lengths of tow.

TABLE A-29. TUKEY'S POST-HOC COMPARIOSN OF MEAN CATCH[1] ALONG THE TRANSECT

Clupeids				
5-22	P15	P13	P14	P16
Mean	0.0614	0.0411	0	0
5-23	P13	P14	P15	P16
Mean	0.0841	0	0	0
6-9	P13	P15	P14	P16
Mean	1.6341	1.3412	1.0114	0.0621
6-16	P16	P15	P13	P14
Mean	1.0514	0.6278	0.5932	0.4241
6-19	P14	P16	P13	P12
Mean	0.6123	0.4935	0.2761	0.2218
7-2	P13	P14	P15	P16
Mean	1.7562	1.7119	1.3694	0.8791
Yellow Perch				
5-22	P16	P15	P14	P13
Mean	0.9641	0.4879	0.2278	0.0608
5-23	P16	P15	P14	P13
Mean	0.8438	0.6911	0.1305	0.0381
6-9	P15	P16	P14	P13
Mean	0.0634	0.0315	0	0
6-16	P13	P15	P14	P16
Mean	0.1211	0.0315	0	0
White Bass				
5-23	P13	P15	P14	P16
Mean	0.0401	0.0294	0	0
6-9	P16	P14	P15	P13
Mean	1.0391	0.4915	0.3294	0.1011
6-16	P14	P13	P15	P16
Mean	0.1401	0.1295	0.0962	0.0811

(continued)

TABLE A-29 (continued)

6-19	P13	P15	P14	P16
Mean	0.3001	0.1609	0.1237	0.0811
7-2	P15	P14	P13	P16
Mean	0.3421	0.2767	0.1000	0.0941
Smelt				
5-22	P15	P16	P14	P13
Mean	1.5654	0.3321	0.5109	0.0314
5-23	P16	P15	P14	P13
Mean	1.4237	1.0642	0.6281	0
6-9	P16	P15	P14	P13
Mean	0.3101	0.3049	0.2791	0
6-16	P14	P13	P15	P16
Mean	0.3017	0.2512	0.1776	0.0314
6-19	P13	P14	P15	P16
Mean	0.0641	0.0291	0	0
7-2	P14	P13	P15	P16
Mean	0.0294	0	0	0
Shiners				
6-9	P16	P15	P14	P13
Mean	0.9676	0.4681	0.3933	0.02943
6-16	P16	P13	P14	P15
Mean	0.3574	0.2341	0.1901	0.1617
6-19	P14	P16	P15	P13
Mean	0.0651	0.0651	0.0286	0
7-2	P16	P13	P15	P14
Mean	0.8125	0.6850	0.4623	0.4117

(continued)

TABLE A-29 (continued)

Freshwater Drum				
6-16	P13	P15	P14	P16
Mean	1.0487	0.0321	0	0
6-19	P13	P16	P14	P15
Mean	0.0938	0.0611	0	0
7-2	P14	P13	P15	P16
Mean	0.0294	0	0	0

[1]Means corrected for normality and homogeneity by log (x + 1) transformation.

TABLE A-30. TUKEY'S POST-HOC COMPARISON OF MEAN CATCH[1] AT STATIONS SAMPLED IN 1975

Clupeids

5-12	P10	P7	P3	P0	P2	P11	P6	P12
Mean	0.3868	0.3785	0.3396	0.3365	0.1981	0.1410	0.0600	0

6-2	P2	P7	P10	P0	P3	P12	P11	P6
Mean	1.5862	1.5369	1.3492	1.3260	1.1942	0.0841	0.7589	0.0571

6-25	P2	P11	P3	P10	P12	P7	P0	P6
Mean	0.9488	0.8373	0.7046	0.4687	0.3932	0.3899	0.2943	0

7-9	P11	P6	P3	P10	P0	P12	P2	P7
Mean	1.4581	1.0628	0.9257	0.6137	0.5821	0.4586	0.4537	0.0719

7-31	P6	P0	P10	P11	P12	P2	P3	P7
Mean	0.0634	0.0170	0	0	0	0	0	0

Yellow Perch

5-12	P12	P7	P2	P0	P10	P11	P3	P6
Mean	1.8012	1.5293	1.4911	1.4180	1.2440	0.0256	0.3197	0.2982

6-2	P2	P11	P3	P12	P7	P10	P0	P6
Mean	0.4429	0.4133	0.2174	0.1418	.0663	0.634	0.0461	0

6-25	P6	P0	P2	P12	P10	P11	P3	P7
Mean	0.0634	0.0041	0	0	0	0	0	0

7-9	P6	P0	P10	P11	P12	P2	P3	P7
Mean	0.0601	0.0146	0	0	0	0	0	0

White Bass

6-2	P11	P2	P7	P0	P3	P12	P10	P6
Mean	0.6601	0.5245	0.4786	0.3909	0.2398	0.2027	0.1372	0

6-25	P6	P0	P2	P12	P2	P7	P10	P11
Mean	0.6499	0.3617	0.2479	0.0571	0	0	0	0

7-9	P12	P6	P2	P10	P3	P0	P7	P11
Mean	0.2745	0.2167	0.1206	0.0842	0.0842	0.0792	0	0

(continued)

TABLE A-30 (continued)

Shiners								
5-12	P2	P12	P10	P11	P3	P7	P0	P6
Mean	0.1355	0	0	0	0	0	0	0
6-2	P6	P2	P3	P0	P11	P7	P12	P10
Mean	0.4101	0.3739	0.2745	0.2528	0	0	0	0
6-25	P6	P2	P0	P3	P7	P10	P13	P10
Mean	0.4428	0.3258	0.2788	0.2441	0.1267	0.1204	0.0927	0.0603
7-9	P6	P11	P0	P3	P2	P10	P7	P12
Mean	1.6458	0.6687	0.6096	0.6044	0.5784	0.2076	0.0632	0
7-31	P10	P7	P0	P6	P11	P12	P2	P3
Mean	0.0571	0.0571	0.0557	0	0	0	0	0
Carp								
5-12	P2	P6	P0	P10	P11	P12	P7	P3
Mean	0.4183	0.0911	0.0777	0	0	0	0	0
6-2	P6	P0	P2	P3	P7	P10	P11	P12
Mean	0.5358	0.3670	0.1655	0.1559	0.0634	0	0	0
6-25	P2	P6	P0	P3	P7	P10	P11	P12
Mean	1.2946	0.7114	0.3802	0.3298	0	0	0	0
7-9	P6	P0	P3	P2	P11	P7	P12	P10
Mean	1.1146	0.5798	0.3846	0.0927	0.0842	0	0	0
7-31	P6	P0	P7	P2	P3	P10	P11	P12
Mean	0.0634	0.0170	0	0	0	0	0	0

TABLE A-31. COEFFICIENTS OF VARIATION, INCLUDING MEAN COEFFICIENT OF VARIATION, AT STATIONS SAMPLED FOR ABUNDANT SPECIES IN 1974 and 1975

Species	STATIONS P6	P7	P2	P3	P10	P11	P12
Clupeids							
5/29/74	73.9	99.3	45.6	54.6	30.2	39.0	62.3
6/11/74	73.1	131.7	51.8	29.2	44.6	17.7	26.0
6/21/74	45.4	0	107.0	24.8	60.3	63.2	51.4
7/1/74	36.4	46.9	20.7	23.2	79.4	40.8	33.0
7/15/74	39.9	101.5	48.3	64.6	35.4	30.0	32.8
7/26/74	118.2	154.9	71.2	70.0	49.0	24.6	107.6
Mean	75.3	87.0	56.3	42.9	49.0	35.2	51.4
5/12/75	138.5	244.9	130.0	0	84.0	142.1	116.7
6/2/75	36.9	244.9	56.7	16.7	79.0	56.1	38.7
6/25/75	65.6	0	82.7	55.9	81.6	61.6	81.3
7/2/75	52.2	244.9	93.5	34.8	74.8	53.8	152.1
Mean	73.2	153.0	75.6	22.4	66.5	65.4	81.0
Yellow Perch							
5/10/74	0	44.7	21.4	36.1	Not Sampled		
5/29/74	43.8	244.9	78.1	98.6	39.4	45.5	64.1
6/11/74	47.0	244.9	34.7	37.8	244.9	0	164.7
Mean	30.3	178.2	44.7	57.5	142.2	22.8	114.4
5/12/75	110.1	112.5	49.3	73.4	63.7	43.9	39.0
6/2/75	306.2	0	95.6	118.6	244.9	113.9	173.3
Mean	208.2	56.2	72.4	96.0	154.3	78.9	106.2
White Bass							
5/29/74	244.9	244.9	155.0	33.9	83.4	244.9	94.6
6/11/74	127.8	165.9	90.1	44.1	88.8	143.0	46.2
6/21/74	244.9	0	0	167.3	0	0	0
7/1/74	110.2	0	244.9	244.9	0	0	244.9
7/15/74	80.0	0	90.0	72.2	95.0	108.3	244.9
7/26/74	244.9	0	72.9	244.9	125.5	226.4	114.0
Mean	175.4	68.5	108.8	134.6	65.4	120.4	100.6
Shiners							
5/29/74	122.0	0	83.4	155.1	244.9	0	0
6/11/74	110.0	109.8	92.0	92.7	149.7	67.2	38.1
6/21/74	155.1	109.5	63.2	0	155.1	0	0
7/1/74	244.9	244.9	164.9	109.7	0	244.9	244.9
7/15/74	0	164.7	244.9	0	0	0	0
7/26/74	142.2	166.0	93.3	164.7	125.5	66.0	63.1
Mean	129.0	132.5	123.6	87.0	112.5	63.0	57.7

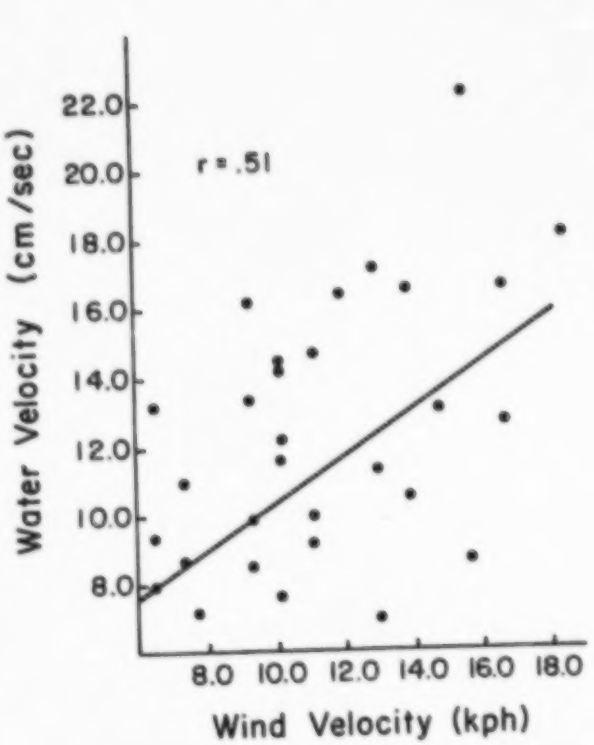
(continued)

TABLE A-31 (continued)

Species	STATIONS P6	P7	P2	P3	P10	P11	P12
5/12/75	0	0	160.2	0	0	0	0
6/2/75	0	53.9	123.4	61.2	0	0	0
6/25/75	154.9	109.3	115.6	244.9	155.6	244.9	127.0
7/2/75	244.9	31.2	61.4	62.8	168.0	53.7	0
Mean	99.9	48.6	115.2	92.2	80.9	74.6	31.8
Carp							
5/10/74	0	172.5	14.4	63.2	0	0	0
5/29/74	106.4	93.6	55.8	0	126.5	0	0
6/11/74	98.2	33.8	23.2	37.7	0	0	0
6/21/74	183.7	80.3	28.9	114.4	0	0	0
7/1/74	244.9	35.9	79.4	98.9	244.9	151.2	4.3
7/15/74	49.4	28.4	23.4	64.1	0	170.9	244.9
7/26/74	244.9	244.9	244.9	244.9	0	0	0
Mean	132.5	98.5	67.1	89.0	53.1	46.0	35.6
5/12/75	0	234.7	90.5	0	0	0	0
6/2/75	285.8	59.4	160.0	173.8	0	0	0
6/25/75	0	62.4	29.2	84.8	0	0	0
7/2/75	0	44.6	244.9	61.3	0	0	0
Mean	71.4	100.3	131.2	80.0	0	0	0

TABLE A-32. COEFFICIENTS OF VARIATION OF ALL LARVAL FISH SPECIES CAPTURED AT MORTALITY STUDY STATIONS

Date	Intake	Upper Discharge	Lower Discharge
4/28	172.0%	61.1%	95.0%
5/18	338.4%	108.0%	245.0%
6/3	66.6%	127.1%	97.3%
6/26	82.6%	75.3%	103.0%



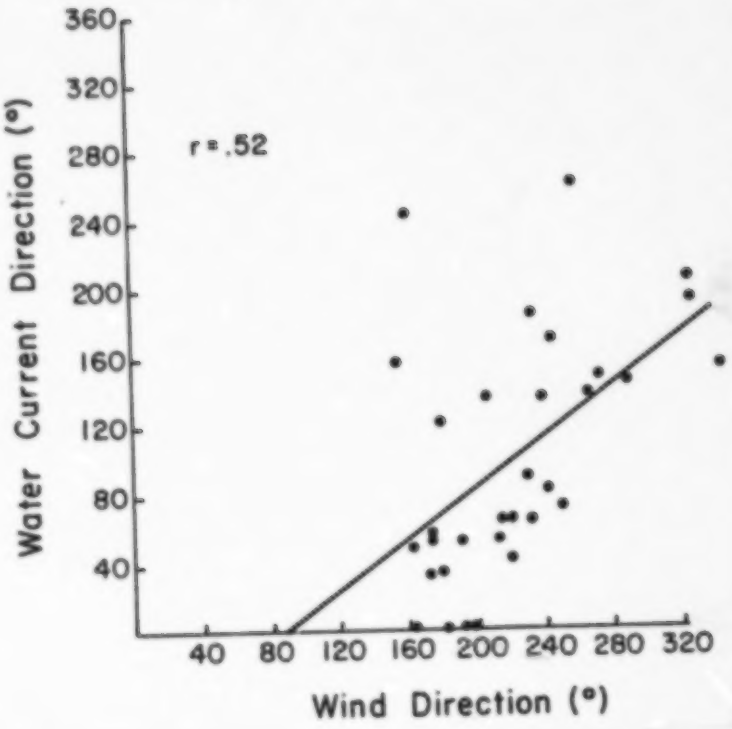


FIGURE B-1. RELATION BETWEEN WIND SPEED AND DIRECTION AND WATER SPEED AND DIRECTION AT 2.5m BELOW THE SURFACE

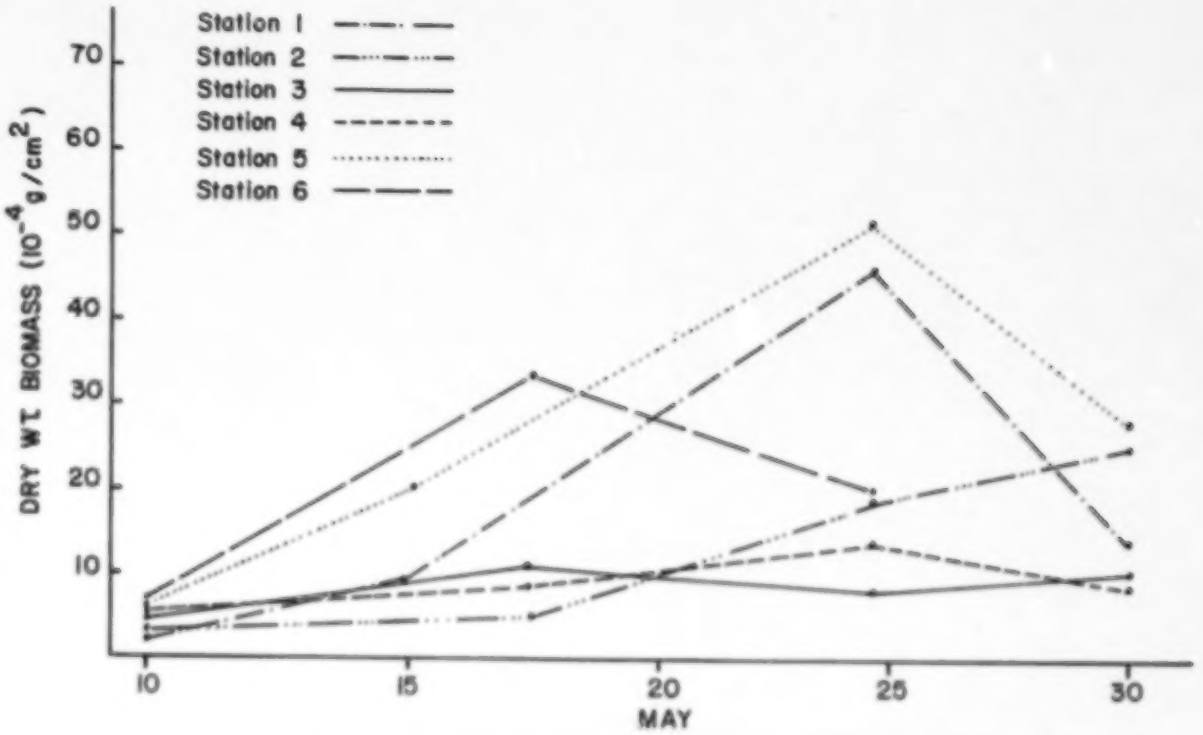


FIGURE B-2. ACCUMULATION OF PERIPHYTON ON STYROFOAM SUBSTRATES PLACED IN THE COOLING SYSTEM IN SPRING, 1973

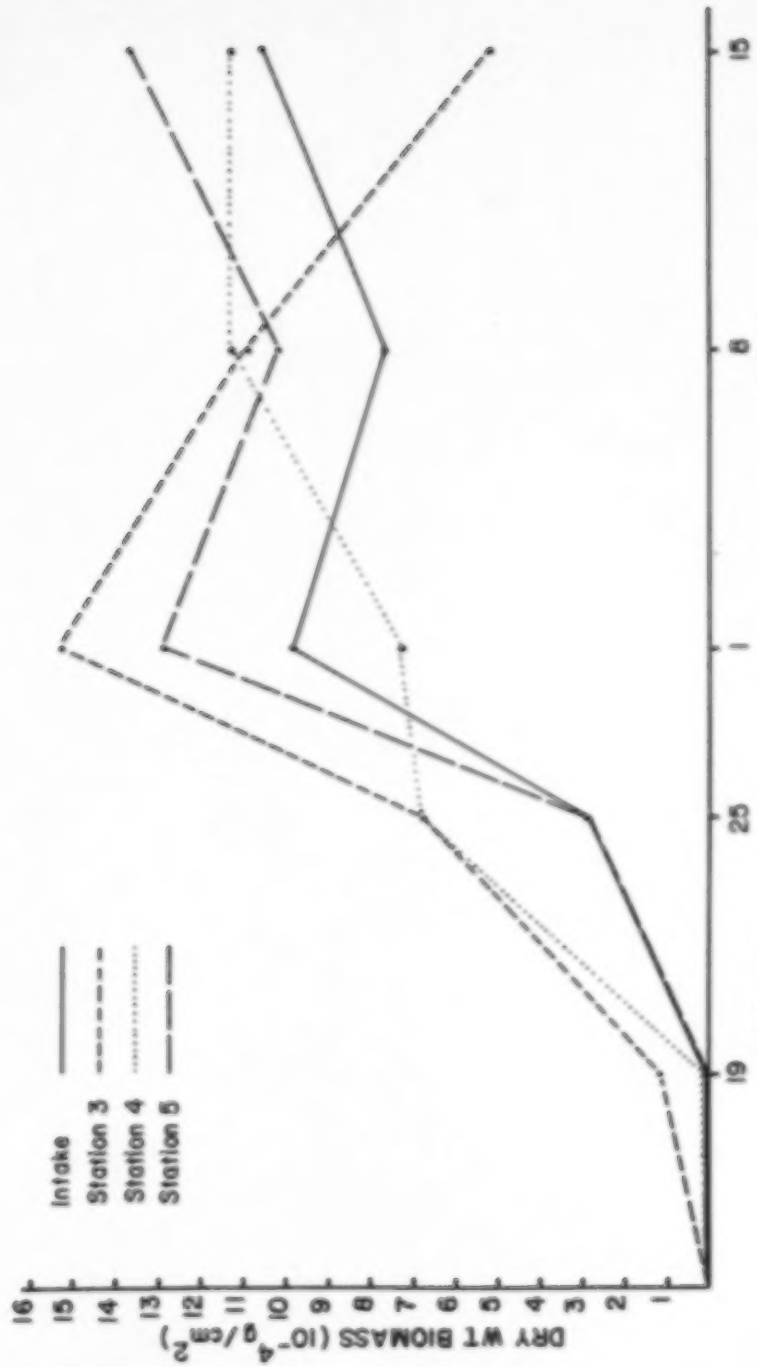


FIGURE B-3. ACCUMULATION OF PERIPHYTON ON STYROFOAM SUBSTRATES PLACED IN THE COOLING SYSTEM IN WINTER, 1974

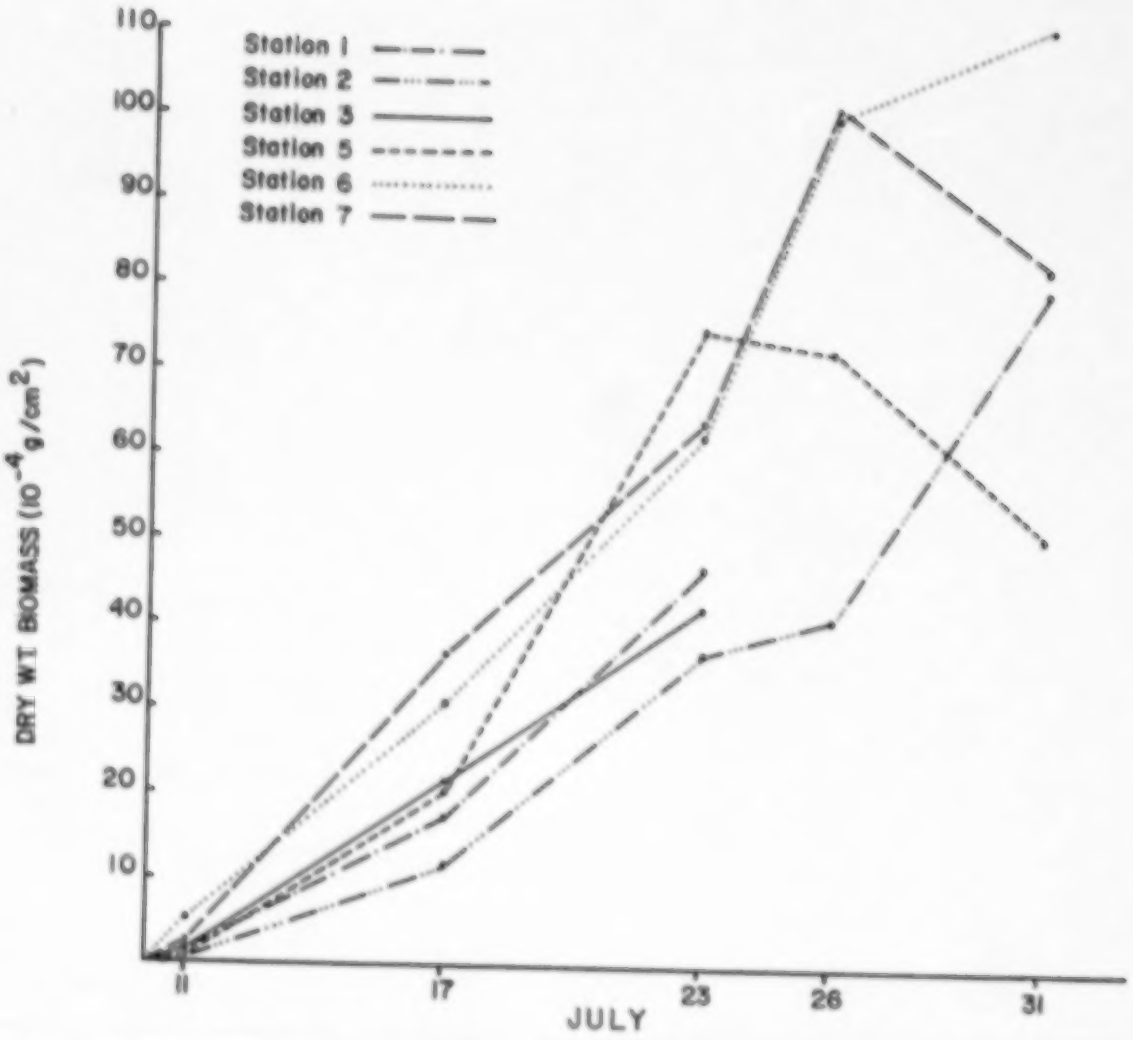


FIGURE B-4. ACCUMULATION OF PERIPHYTON ON STYROFOAM SUBSTRATES PLACED IN THE COOLING SYSTEM IN SUMMER, 1974